

2024-12-10 08:33:51,157 INFO MainThread EmonHub v2.6.5
2024-12-10 08:33:51,157 INFO MainThread Opening hub...
2024-12-10 08:33:51,157 INFO MainThread Running as user: pi
2024-12-10 08:33:51,157 INFO MainThread Logging level set to DEBUG
2024-12-10 08:33:51,158 INFO MainThread Creating EmonHubOEMInterfacer
'EmonPi2'
2024-12-10 08:33:51,158 DEBUG MainThread Opening serial port: /dev/ttyAMA0
@ 115200 bits/s
2024-12-10 08:33:51,159 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:33:51,164 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:33:51,164 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:33:51,165 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:33:51,165 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:33:51,165 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:33:51,165 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:33:51,165 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:33:51,165 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:33:51,166 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:33:51,166 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:33:51,166 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:33:51,167 INFO MainThread Creating
EmonHubRFM69LPLInterfacer 'SPI'
2024-12-10 08:33:51,172 INFO MainThread Creating RFM69 LowPowerLabs
interfacer
2024-12-10 08:33:51,172 INFO MainThread RFM69 node_id = 5
2024-12-10 08:33:51,172 INFO MainThread RFM69 network_id = 210
2024-12-10 08:33:51,173 INFO MainThread RFM69 interruptPin = 22
2024-12-10 08:33:51,173 INFO MainThread RFM69 resetPin = 24
2024-12-10 08:33:51,173 INFO MainThread RFM69 selPin = 16
2024-12-10 08:33:51,173 INFO MainThread Starting radio setup
2024-12-10 08:33:51,873 ERROR MainThread Could not connect to RFM69
module
2024-12-10 08:33:51,874 DEBUG MainThread Setting SPI pubchannels:
['ToEmonCMS']

```
2024-12-10 08:33:51,874 INFO   MainThread Creating EmonHubMqttInterfacer
'MQTT'
2024-12-10 08:33:51,875 DEBUG   MainThread Setting MQTT pubchannels:
['ToRFM12']
2024-12-10 08:33:51,875 DEBUG   MainThread Setting MQTT subchannels:
['ToEmonCMS']
2024-12-10 08:33:51,875 INFO   MainThread Setting MQTT node_format_enable:
0
2024-12-10 08:33:51,875 INFO   MainThread Setting MQTT
nodevar_format_enable: 1
2024-12-10 08:33:51,876 INFO   MainThread Setting MQTT
nodevar_format_basetopic: emon/
2024-12-10 08:33:51,876 INFO   MainThread Setting MQTT node_JSON_enable: 0
2024-12-10 08:33:51,876 INFO   MainThread Creating
EmonHubEmoncmsHTTPInterfacer 'emoncmsorg'
2024-12-10 08:33:51,877 DEBUG   MainThread Setting emoncmsorg interval: 30
2024-12-10 08:33:51,877 DEBUG   MainThread Setting emoncmsorg pubchannels:
['ToRFM12']
2024-12-10 08:33:51,877 DEBUG   MainThread Setting emoncmsorg subchannels:
['ToEmonCMS']
2024-12-10 08:33:51,877 WARNING MainThread Setting emoncmsorg apikey:
obscured
2024-12-10 08:33:51,877 INFO   MainThread Setting emoncmsorg url: https://
emoncms.org
2024-12-10 08:33:51,877 INFO   MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:33:51,878 INFO   MainThread Setting emoncmsorg sendstatus: 0
2024-12-10 08:33:51,878 INFO   MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:33:51,878 INFO   MainThread Setting emoncmsorg compress: 0
2024-12-10 08:33:51,878 INFO   MainThread Creating
EmonHubDS18B20Interfacer 'DS18B20'
2024-12-10 08:33:51,893 INFO   MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:33:51,893 INFO   MainThread Setting DS18B20 nodename:
sensors
2024-12-10 08:33:51,893 INFO   MainThread Setting DS18B20 ids:
2024-12-10 08:33:51,893 INFO   MainThread Setting DS18B20 names:
2024-12-10 08:33:51,894 DEBUG   MainThread Setting DS18B20 pubchannels:
['ToEmonCMS']
2024-12-10 08:33:51,894 DEBUG   MainThread Automatic configuration of nodes
enabled
2024-12-10 08:34:00,077 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:34:01,087 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^^^
```

```
File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:34:01,144 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:34:01,144 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 0 times...)
2024-12-10 08:34:01,145 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:34:01,146 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:34:01,147 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:34:01,147 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:34:01,147 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:34:01,148 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:34:01,148 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:34:01,148 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:34:01,149 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:34:01,149 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:34:01,150 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
```

1.0, 1.0, 1.0]

2024-12-10 08:34:01,150 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N pubchannels: ['ToEmonCMS']

2024-12-10 08:34:01,151 INFO MainThread Setting emoncmsorg senddata: 1

2024-12-10 08:34:01,151 INFO MainThread Setting emoncmsorg sendnames: 1

2024-12-10 08:34:01,152 INFO MainThread Setting DS18B20 read_interval: 10

2024-12-10 08:34:20,072 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active

2024-12-10 08:34:21,076 WARNING SAMSUNG-ASHP-MIB19N Exception caught in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in wrapper

```
return func(*args)
    ^^^^^^^^^^^^^^^
```

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
rxc = self.read()
 ^^^^^^^^^^^^^^^

File "/opt/openenergymonitor/emonhub/src/interfaces/
EmonHubMinimalModbusInterfacer.py", line 167, in read
self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in write_registers

```
self._generic_command(  
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
```

_generic_command

```
payload_from_slave = self._perform_command(functioncode, payload_to_slave)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in _perform_command

```
response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in _communicate

```
raise NoResponseError("No communication with the instrument (no answer)")
```

minimalmodbus.NoResponseError: No communication with the instrument (no answer)

2024-12-10 08:34:21,085 WARNING MainThread SAMSUNG-ASHP-MIB19N thread is dead.

2024-12-10 08:34:21,085 WARNING MainThread Attempting to restart thread SAMSUNG-ASHP-MIB19N (thread has been restarted 1 times...)

2024-12-10 08:34:21,085 INFO MainThread Creating

EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

2024-12-10 08:34:21,086 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:34:21,086 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20

2024-12-10 08:34:21,086 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp

```
2024-12-10 08:34:21,086 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:34:21,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:34:21,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:34:21,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:34:21,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:34:21,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:34:21,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:34:21,088 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:34:21,088 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:34:21,088 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:34:21,089 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:34:40,006 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:34:41,014 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
```

_communicate

```
raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

2024-12-10 08:34:41,221 WARNING MainThread SAMSUNG-ASHP-MIB19N thread is dead.

2024-12-10 08:34:41,222 WARNING MainThread Attempting to restart thread SAMSUNG-ASHP-MIB19N (thread has been restarted 2 times...)

2024-12-10 08:34:41,223 INFO MainThread Creating EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

2024-12-10 08:34:41,223 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:34:41,224 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20

2024-12-10 08:34:41,225 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp

2024-12-10 08:34:41,225 INFO MainThread Setting SAMSUNG-ASHP-MIB19N prefix:

2024-12-10 08:34:41,226 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp device_type samsung

2024-12-10 08:34:41,226 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp address 1

2024-12-10 08:34:41,226 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]

2024-12-10 08:34:41,227 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp", "flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target", "defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve", "compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]

2024-12-10 08:34:41,228 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]

2024-12-10 08:34:41,228 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0, 1.0, 1.0]

2024-12-10 08:34:41,229 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N pubchannels: ['ToEmonCMS']

2024-12-10 08:34:41,230 INFO MainThread Setting emoncmsorg senddata: 1

2024-12-10 08:34:41,230 INFO MainThread Setting emoncmsorg sendnames: 1

2024-12-10 08:34:41,231 INFO MainThread Setting DS18B20 read_interval: 10

2024-12-10 08:35:00,050 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active

2024-12-10 08:35:01,058 WARNING SAMSUNG-ASHP-MIB19N Exception caught in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):

```
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
```

```
    return func(*args)
    ^^^^^^^^^^^^^^^
```

```
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
```

AAAAAAAAAAAA

```
File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:35:01,144 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:35:01,144 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 3 times...)
2024-12-10 08:35:01,145 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:35:01,146 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:35:01,147 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:35:01,147 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:35:01,148 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:35:01,148 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:35:01,148 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:35:01,149 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:35:01,149 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:35:01,150 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:35:01,150 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
```

meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0, 1.0, 1.0]

2024-12-10 08:35:01,150 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N pubchannels: ['ToEmonCMS']

2024-12-10 08:35:01,152 INFO MainThread Setting emoncmsorg senddata: 1

2024-12-10 08:35:01,152 INFO MainThread Setting emoncmsorg sendnames: 1

2024-12-10 08:35:01,153 INFO MainThread Setting DS18B20 read_interval: 10

2024-12-10 08:35:20,078 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active

2024-12-10 08:35:21,082 WARNING SAMSUNG-ASHP-MIB19N Exception caught in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in wrapper

```
    return func(*args)
    ^^^^^^^^^^^^^^^
```

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run

```
    rxc = self.read()
    ^^^^^^^^^^^^^^^
```

File "/opt/openenergymonitor/emonhub/src/interfaces/EmonHubMinimalModbusInterfacer.py", line 167, in read

```
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in write_registers

```
    self._generic_command(
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in _generic_command

```
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in _perform_command

```
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in _communicate

```
    raise NoResponseError("No communication with the instrument (no answer)")
```

minimalmodbus.NoResponseError: No communication with the instrument (no answer)

2024-12-10 08:35:21,093 WARNING MainThread SAMSUNG-ASHP-MIB19N thread is dead.

2024-12-10 08:35:21,093 WARNING MainThread Attempting to restart thread SAMSUNG-ASHP-MIB19N (thread has been restarted 4 times...)

2024-12-10 08:35:21,094 INFO MainThread Creating EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

2024-12-10 08:35:21,094 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:35:21,094 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20

2024-12-10 08:35:21,095 INFO MainThread Setting SAMSUNG-ASHP-MIB19N

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in _communicate

```
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no answer)
```

2024-12-10 08:35:41,035 WARNING MainThread SAMSUNG-ASHP-MIB19N thread is dead.

2024-12-10 08:35:41,036 WARNING MainThread Attempting to restart thread SAMSUNG-ASHP-MIB19N (thread has been restarted 5 times...)

2024-12-10 08:35:41,037 INFO MainThread Creating

EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

2024-12-10 08:35:41,037 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:35:41,038 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20

2024-12-10 08:35:41,038 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp

2024-12-10 08:35:41,039 INFO MainThread Setting SAMSUNG-ASHP-MIB19N prefix:

2024-12-10 08:35:41,039 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp device_type samsung

2024-12-10 08:35:41,039 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp address 1

2024-12-10 08:35:41,040 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]

2024-12-10 08:35:41,040 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp", "flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target", "defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve", "compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]

2024-12-10 08:35:41,041 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]

2024-12-10 08:35:41,041 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0, 1.0, 1.0]

2024-12-10 08:35:41,042 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N pubchannels: ['ToEmonCMS']

2024-12-10 08:35:41,043 INFO MainThread Setting emoncmsorg senddata: 1

2024-12-10 08:35:41,043 INFO MainThread Setting emoncmsorg sendnames: 1

2024-12-10 08:35:41,044 INFO MainThread Setting DS18B20 read_interval: 10

2024-12-10 08:36:00,060 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active

2024-12-10 08:36:01,069 WARNING SAMSUNG-ASHP-MIB19N Exception caught in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in wrapper

```
    return func(*args)
    ^^^^^^^^^^^^^^^
```

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run

```
rx = self.read()
^^^^^^^^^^^^^^

File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:36:01,163 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:36:01,163 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 6 times...)
2024-12-10 08:36:01,164 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:36:01,165 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:36:01,166 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:36:01,166 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:36:01,166 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:36:01,167 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:36:01,167 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:36:01,168 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:36:01,168 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:36:01,169 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
```

```
2024-12-10 08:36:01,169 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:36:01,170 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:36:01,171 INFO    MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:36:01,171 INFO    MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:36:01,172 INFO    MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:36:20,095 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:36:21,099 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
           ^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
           ^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                           ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                           ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:36:21,138 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:36:21,139 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 7 times...)
2024-12-10 08:36:21,139 INFO    MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:36:21,139 INFO    MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:36:21,140 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
```

```

2024-12-10 08:36:21,140 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:36:21,140 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:36:21,140 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:36:21,140 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:36:21,141 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:36:21,141 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:36:21,141 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:36:21,141 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:36:21,141 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ["ToEmonCMS"]
2024-12-10 08:36:21,142 INFO    MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:36:21,142 INFO    MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:36:21,142 INFO    MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:36:40,064 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:36:41,070 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)

```

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```
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:36:41,077 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:36:41,078 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 8 times...)
2024-12-10 08:36:41,078 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:36:41,078 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:36:41,078 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:36:41,079 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:36:41,079 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:36:41,079 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:36:41,079 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:36:41,079 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:36:41,079 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:36:41,080 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:36:41,080 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:36:41,080 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:36:41,081 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:36:41,081 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:36:41,081 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:37:00,098 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:37:01,107 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
```

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File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
 rxc = self.read()

^^^^^^^^^^^^^^

File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read

self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
 0x4087])

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers

self._generic_command(
 File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
 _generic_command

payload_from_slave = self._perform_command(functioncode, payload_to_slave)

^^

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command

response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)

^^

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate

raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:37:01,208 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:37:01,209 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 9 times...)
2024-12-10 08:37:01,210 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:37:01,210 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:37:01,211 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:37:01,212 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:37:01,212 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:37:01,212 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:37:01,212 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:37:01,213 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:37:01,213 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:37:01,213 INFO MainThread Setting SAMSUNG-ASHP-MIB19N

```

meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:37:01,214 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:37:01,214 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:37:01,216 INFO    MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:37:01,216 INFO    MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:37:01,217 INFO    MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:37:20,037 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:37:21,041 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:37:21,140 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:37:21,141 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 10 times...)
2024-12-10 08:37:21,141 INFO    MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:37:21,141 INFO    MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:37:21,142 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N

```



```

read_interval: 20
2024-12-10 08:37:21,142 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:37:21,142 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:37:21,142 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:37:21,142 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:37:21,143 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:37:21,143 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:37:21,143 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:37:21,143 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:37:21,143 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:37:21,144 INFO   MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:37:21,144 INFO   MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:37:21,144 INFO   MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:37:40,067 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:37:41,071 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command

```

```
response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

```
File "/home/pi/.local/lib/python3.11/site-packages/minimodbus.py", line 1521, in
_communicate
```

```
    raise NoResponseError("No communication with the instrument (no answer)")
minimodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:37:41,086 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
```

```
2024-12-10 08:37:41,086 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 11 times...)
```

```
2024-12-10 08:37:41,086 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
```

```
2024-12-10 08:37:41,087 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
```

```
2024-12-10 08:37:41,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
```

```
2024-12-10 08:37:41,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
```

```
2024-12-10 08:37:41,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
```

```
2024-12-10 08:37:41,087 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
```

```
2024-12-10 08:37:41,088 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
```

```
2024-12-10 08:37:41,088 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
```

```
2024-12-10 08:37:41,088 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
```

```
2024-12-10 08:37:41,088 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
```

```
2024-12-10 08:37:41,088 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
```

```
2024-12-10 08:37:41,088 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
```

```
2024-12-10 08:37:41,089 INFO MainThread Setting emoncmsorg senddata: 1
```

```
2024-12-10 08:37:41,089 INFO MainThread Setting emoncmsorg sendnames: 1
```

```
2024-12-10 08:37:41,089 INFO MainThread Setting DS18B20 read_interval: 10
```

```
2024-12-10 08:38:00,013 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
```

```
2024-12-10 08:38:01,021 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
```

```
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
```

```
    return func(*args)
```

AAAAAAAAAAAA

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
rx = self.read()
AAAAAAAAAAAA

File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers

self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command

payload_from_slave = self._perform_command(functioncode, payload_to_slave)
AA

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command

response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
AA

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate

raise NoResponseError("No communication with the instrument (no answer)")

minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:38:01,023 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.

2024-12-10 08:38:01,024 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 12 times...)

2024-12-10 08:38:01,024 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

2024-12-10 08:38:01,025 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:38:01,026 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20

2024-12-10 08:38:01,026 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp

2024-12-10 08:38:01,026 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:

2024-12-10 08:38:01,027 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung

2024-12-10 08:38:01,027 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1

2024-12-10 08:38:01,028 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]

2024-12-10 08:38:01,028 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]

```
2024-12-10 08:38:01,029 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:38:01,029 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:38:01,029 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:38:01,031 INFO    MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:38:01,031 INFO    MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:38:01,032 INFO    MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:38:20,049 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:38:21,056 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:38:21,160 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:38:21,161 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 13 times...)
2024-12-10 08:38:21,162 INFO    MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:38:21,162 INFO    MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
```

```

2024-12-10 08:38:21,163 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:38:21,163 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:38:21,164 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:38:21,164 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:38:21,164 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:38:21,165 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:38:21,165 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:38:21,166 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:38:21,166 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:38:21,167 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:38:21,168 INFO   MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:38:21,168 INFO   MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:38:21,169 INFO   MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:38:40,093 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:38:41,097 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
  return func(*args)
      ^^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
  rxc = self.read()
      ^^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
  self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
  self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
  payload_from_slave = self._perform_command(functioncode, payload_to_slave)
      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in

```



```
return func(*args)
^^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
    ^^^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:39:01,053 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:39:01,054 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 15 times...)
2024-12-10 08:39:01,055 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:39:01,056 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:39:01,057 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:39:01,057 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:39:01,058 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:39:01,058 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:39:01,058 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:39:01,059 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:39:01,060 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
```

```
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:39:01,060 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 1, 1, 1, 1]
2024-12-10 08:39:01,061 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:39:01,061 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:39:01,062 INFO   MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:39:01,063 INFO   MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:39:01,063 INFO   MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:39:20,095 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:39:21,104 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
           ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
           ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:39:21,188 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:39:21,189 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 16 times...)
2024-12-10 08:39:21,190 INFO   MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:39:21,190 INFO   MainThread Connecting to Modbus device=/dev/
```



```
wrapper
  return func(*args)
      ^^^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
  rxc = self.read()
      ^^^^^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
  self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
  self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
  payload_from_slave = self._perform_command(functioncode, payload_to_slave)
      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
  response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
  raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:40:01,064 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:40:01,065 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 18 times...)
2024-12-10 08:40:01,066 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:40:01,066 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:40:01,067 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:40:01,068 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:40:01,068 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:40:01,068 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:40:01,069 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:40:01,069 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:40:01,070 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
```

```

"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:40:01,070 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:40:01,071 INFO    MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:40:01,071 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:40:01,072 INFO    MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:40:01,073 INFO    MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:40:01,073 INFO    MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:40:20,090 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:40:21,099 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:40:21,196 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:40:21,197 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 19 times...)
2024-12-10 08:40:21,198 INFO    MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

```

```
2024-12-10 08:40:21,198 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:40:21,199 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:40:21,200 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:40:21,200 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:40:21,200 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:40:21,201 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:40:21,201 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:40:21,202 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:40:21,202 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:40:21,203 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:40:21,203 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:40:21,204 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:40:21,205 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:40:21,205 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:40:40,030 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:40:41,034 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
           ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
           ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
```



```
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^
File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                            ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                            ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:41:01,089 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:41:01,089 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 21 times...)
2024-12-10 08:41:01,090 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:41:01,090 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:41:01,090 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:41:01,090 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:41:01,090 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:41:01,091 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:41:01,091 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:41:01,091 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:41:01,091 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
```

```
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:41:01,091 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:41:01,092 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:41:01,092 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:41:01,092 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:41:01,092 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:41:01,093 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:41:20,009 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:41:21,017 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
  return func(*args)
      ^^^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
  rxc = self.read()
      ^^^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
  self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
  self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
  payload_from_slave = self._perform_command(functioncode, payload_to_slave)
      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
  response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
  raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:41:21,213 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:41:21,213 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 22 times...)
2024-12-10 08:41:21,214 INFO MainThread Creating
```



```
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'  
2024-12-10 08:41:21,215 INFO   MainThread Connecting to Modbus device=/dev/  
ttyAMA0 baud=9600 parity=even datatype=int  
2024-12-10 08:41:21,216 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
read_interval: 20  
2024-12-10 08:41:21,217 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
nodename: samsung-ashp  
2024-12-10 08:41:21,217 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
prefix:  
2024-12-10 08:41:21,217 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
meters ashp device_type samsung  
2024-12-10 08:41:21,218 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
meters ashp address 1  
2024-12-10 08:41:21,218 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]  
2024-12-10 08:41:21,219 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",  
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",  
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",  
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]  
2024-12-10 08:41:21,219 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]  
2024-12-10 08:41:21,220 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N  
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,  
1.0, 1.0, 1.0]  
2024-12-10 08:41:21,220 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N  
pubchannels: ['ToEmonCMS']  
2024-12-10 08:41:21,222 INFO   MainThread Setting emoncmsorg senddata: 1  
2024-12-10 08:41:21,222 INFO   MainThread Setting emoncmsorg sendnames: 1  
2024-12-10 08:41:21,223 INFO   MainThread Setting DS18B20 read_interval: 10  
2024-12-10 08:41:40,040 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device  
active  
2024-12-10 08:41:41,047 WARNING SAMSUNG-ASHP-MIB19N Exception caught  
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):  
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in  
wrapper  
    return func(*args)  
          ^^^^^^^^^^^  
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run  
    rxc = self.read()  
          ^^^^^^^^^^^  
  File "/opt/openenergymonitor/emonhub/src/interfaces/  
EmonHubMinimalModbusInterfacer.py", line 167, in read  
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,  
0x4087])  
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in  
write_registers  
    self._generic_command(  
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in  
_generic_command
```

```
payload_from_slave = self._perform_command(functioncode, payload_to_slave)
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

```
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
```

```
response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

```
File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
```

```
raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

2024-12-10 08:41:41,139 WARNING MainThread SAMSUNG-ASHP-MIB19N thread is dead.

2024-12-10 08:41:41,140 WARNING MainThread Attempting to restart thread SAMSUNG-ASHP-MIB19N (thread has been restarted 23 times...)

2024-12-10 08:41:41,140 INFO MainThread Creating EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

2024-12-10 08:41:41,141 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:41:41,142 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20

2024-12-10 08:41:41,142 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp

2024-12-10 08:41:41,142 INFO MainThread Setting SAMSUNG-ASHP-MIB19N prefix:

2024-12-10 08:41:41,143 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp device_type samsung

2024-12-10 08:41:41,143 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp address 1

2024-12-10 08:41:41,144 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]

2024-12-10 08:41:41,144 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp", "flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target", "defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve", "compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]

2024-12-10 08:41:41,145 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]

2024-12-10 08:41:41,145 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0, 1.0, 1.0]

2024-12-10 08:41:41,146 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N pubchannels: ['ToEmonCMS']

2024-12-10 08:41:41,147 INFO MainThread Setting emoncmsorg senddata: 1

2024-12-10 08:41:41,148 INFO MainThread Setting emoncmsorg sendnames: 1

2024-12-10 08:41:41,148 INFO MainThread Setting DS18B20 read_interval: 10

2024-12-10 08:42:00,070 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active

2024-12-10 08:42:01,074 WARNING SAMSUNG-ASHP-MIB19N Exception caught

```
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
  wrapper
    return func(*args)
            ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
            ^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
  EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
    0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
  write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
  _generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                        ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
  _perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
  _communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:42:01,111 WARNING MainThread SAMSUNG-ASHP-MIB19N thread
is dead.
2024-12-10 08:42:01,111 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 24 times...)
2024-12-10 08:42:01,112 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:42:01,112 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:42:01,112 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:42:01,113 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:42:01,113 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:42:01,113 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:42:01,113 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:42:01,113 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:42:01,113 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
```

```

meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:42:01,114 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:42:01,114 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:42:01,114 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:42:01,115 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:42:01,115 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:42:01,115 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:42:20,033 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:42:21,040 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
          ^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
          ^^^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfaces/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                          ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                      ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)

2024-12-10 08:42:21,049 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:42:21,050 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 25 times...)

```

```
2024-12-10 08:42:21,051 INFO   MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:42:21,051 INFO   MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:42:21,052 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:42:21,052 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:42:21,053 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:42:21,053 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:42:21,054 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:42:21,054 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:42:21,054 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:42:21,055 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:42:21,055 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:42:21,056 DEBUG   MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:42:21,057 INFO   MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:42:21,057 INFO   MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:42:21,058 INFO   MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:42:40,077 DEBUG   SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:42:41,085 WARNING SAMSUNG-ASHP-MIB19N Exception caught
in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in
wrapper
    return func(*args)
           ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
    rxc = self.read()
           ^^^^^^^^^^^
  File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read
    self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in
write_registers
    self._generic_command(
  File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in
```

```
_generic_command
    payload_from_slave = self._perform_command(functioncode, payload_to_slave)
                                     ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimodbus.py", line 1353, in
_perform_command
    response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
                                     ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
File "/home/pi/.local/lib/python3.11/site-packages/minimodbus.py", line 1521, in
_communicate
    raise NoResponseError("No communication with the instrument (no answer)")
minimalmodbus.NoResponseError: No communication with the instrument (no
answer)
```

```
2024-12-10 08:42:41,186 WARNING MainThread SAMSUNG-ASHP-MIB19N
thread is dead.
2024-12-10 08:42:41,186 WARNING MainThread Attempting to restart thread
SAMSUNG-ASHP-MIB19N (thread has been restarted 26 times...)
2024-12-10 08:42:41,187 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:42:41,188 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:42:41,189 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:42:41,189 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:42:41,189 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:42:41,190 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:42:41,190 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 1
2024-12-10 08:42:41,191 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:42:41,191 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:42:41,192 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:42:41,192 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:42:41,192 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:42:41,194 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:42:41,194 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:42:41,195 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:43:00,016 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
```

2024-12-10 08:43:01,020 WARNING SAMSUNG-ASHP-MIB19N Exception caught in SAMSUNG-ASHP-MIB19N thread. Traceback (most recent call last):

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 31, in wrapper

```
return func(*args)
    ^^^^^^^^^^^^^^^
```

File "/opt/openenergymonitor/emonhub/src/emonhub_interfacer.py", line 105, in run
rxc = self.read()
 ^^^^^^^^^^^^^^^

File "/opt/openenergymonitor/emonhub/src/interfacers/
EmonHubMinimalModbusInterfacer.py", line 167, in read

```
self._rs485.write_registers(7005,[0x42E9, 0x8204, 0x4067, 0x42F1, 0x8238,
0x4087])
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 976, in write_registers

```
self._generic_command(
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1276, in _generic_command

```
payload_from_slave = self._perform_command(functioncode, payload_to_slave)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1353, in _perform_command

```
response_bytes = self._communicate(request_bytes, number_of_bytes_to_read)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
```

File "/home/pi/.local/lib/python3.11/site-packages/minimalmodbus.py", line 1521, in _communicate

```
raise NoResponseError("No communication with the instrument (no answer)")
```

minimalmodbus.NoResponseError: No communication with the instrument (no answer)

2024-12-10 08:43:01,124 WARNING MainThread SAMSUNG-ASHP-MIB19N thread is dead.

2024-12-10 08:43:01,125 WARNING MainThread Attempting to restart thread SAMSUNG-ASHP-MIB19N (thread has been restarted 27 times...)

2024-12-10 08:43:01,125 INFO MainThread Creating EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

2024-12-10 08:43:01,125 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:43:01,126 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20

2024-12-10 08:43:01,126 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp

2024-12-10 08:43:01,126 INFO MainThread Setting SAMSUNG-ASHP-MIB19N prefix:

2024-12-10 08:43:01,126 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp device_type samsung

2024-12-10 08:43:01,126 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp address 1

2024-12-10 08:43:01,126 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]

2024-12-10 08:43:01,127 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp", "flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target", "defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve", "compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]

2024-12-10 08:43:01,127 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]

2024-12-10 08:43:01,127 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0, 1.0, 1.0]

2024-12-10 08:43:01,127 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N pubchannels: ['ToEmonCMS']

2024-12-10 08:43:01,128 INFO MainThread Setting emoncmsorg senddata: 1

2024-12-10 08:43:01,128 INFO MainThread Setting emoncmsorg sendnames: 1

2024-12-10 08:43:01,128 INFO MainThread Setting DS18B20 read_interval: 10

2024-12-10 08:43:04,378 DEBUG MainThread Signal 15 received.

2024-12-10 08:43:04,551 INFO MainThread Exiting hub...

2024-12-10 08:43:04,932 INFO MainThread Exit completed

2024-12-10 08:43:05,596 INFO MainThread EmonHub v2.6.5

2024-12-10 08:43:05,596 INFO MainThread Opening hub...

2024-12-10 08:43:05,596 INFO MainThread Running as user: pi

2024-12-10 08:43:05,596 INFO MainThread Logging level set to DEBUG

2024-12-10 08:43:05,597 INFO MainThread Creating EmonHubOEMInterfacer 'EmonPi2'

2024-12-10 08:43:05,597 DEBUG MainThread Opening serial port: /dev/ttyAMA0 @ 115200 bits/s

2024-12-10 08:43:05,598 INFO MainThread Creating EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'

2024-12-10 08:43:05,602 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:43:05,603 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20

2024-12-10 08:43:05,603 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp

2024-12-10 08:43:05,604 INFO MainThread Setting SAMSUNG-ASHP-MIB19N prefix:

2024-12-10 08:43:05,604 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp device_type samsung

2024-12-10 08:43:05,604 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp address 1

2024-12-10 08:43:05,604 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]

2024-12-10 08:43:05,604 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp", "flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target", "defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve", "compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]

2024-12-10 08:43:05,604 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]

2024-12-10 08:43:05,605 INFO MainThread Setting SAMSUNG-ASHP-MIB19N

meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0, 1.0, 1.0, 1.0]

2024-12-10 08:43:05,605 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N pubchannels: ['ToEmonCMS']

2024-12-10 08:43:05,605 INFO MainThread Creating EmonHubRFM69LPLInterfacer 'SPI'

2024-12-10 08:43:05,611 INFO MainThread Creating RFM69 LowPowerLabs interfacer

2024-12-10 08:43:05,611 INFO MainThread RFM69 node_id = 5

2024-12-10 08:43:05,611 INFO MainThread RFM69 network_id = 210

2024-12-10 08:43:05,611 INFO MainThread RFM69 interruptPin = 22

2024-12-10 08:43:05,612 INFO MainThread RFM69 resetPin = 24

2024-12-10 08:43:05,612 INFO MainThread RFM69 selPin = 16

2024-12-10 08:43:05,612 INFO MainThread Starting radio setup

2024-12-10 08:43:06,312 ERROR MainThread Could not connect to RFM69 module

2024-12-10 08:43:06,313 DEBUG MainThread Setting SPI pubchannels: ['ToEmonCMS']

2024-12-10 08:43:06,313 INFO MainThread Creating EmonHubMqttInterfacer 'MQTT'

2024-12-10 08:43:06,314 DEBUG MainThread Setting MQTT pubchannels: ['ToRFM12']

2024-12-10 08:43:06,314 DEBUG MainThread Setting MQTT subchannels: ['ToEmonCMS']

2024-12-10 08:43:06,314 INFO MainThread Setting MQTT node_format_enable: 0

2024-12-10 08:43:06,314 INFO MainThread Setting MQTT nodevar_format_enable: 1

2024-12-10 08:43:06,314 INFO MainThread Setting MQTT nodevar_format_basetopic: emon/

2024-12-10 08:43:06,314 INFO MainThread Setting MQTT node_JSON_enable: 0

2024-12-10 08:43:06,315 INFO MainThread Creating EmonHubEmoncmsHTTPInterfacer 'emoncmsorg'

2024-12-10 08:43:06,316 DEBUG MainThread Setting emoncmsorg interval: 30

2024-12-10 08:43:06,316 DEBUG MainThread Setting emoncmsorg pubchannels: ['ToRFM12']

2024-12-10 08:43:06,316 DEBUG MainThread Setting emoncmsorg subchannels: ['ToEmonCMS']

2024-12-10 08:43:06,316 WARNING MainThread Setting emoncmsorg apikey: obscured

2024-12-10 08:43:06,316 INFO MainThread Setting emoncmsorg url: https://emoncms.org

2024-12-10 08:43:06,316 INFO MainThread Setting emoncmsorg senddata: 1

2024-12-10 08:43:06,316 INFO MainThread Setting emoncmsorg sendstatus: 0

2024-12-10 08:43:06,317 INFO MainThread Setting emoncmsorg sendnames: 1

2024-12-10 08:43:06,317 INFO MainThread Setting emoncmsorg compress: 0

2024-12-10 08:43:06,317 INFO MainThread Creating EmonHubDS18B20Interfacer 'DS18B20'

2024-12-10 08:43:06,332 INFO MainThread Setting DS18B20 read_interval: 10

2024-12-10 08:43:06,332 INFO MainThread Setting DS18B20 nodename:

sensors
2024-12-10 08:43:06,332 INFO MainThread Setting DS18B20 ids:
2024-12-10 08:43:06,332 INFO MainThread Setting DS18B20 names:
2024-12-10 08:43:06,332 DEBUG MainThread Setting DS18B20 pubchannels:
['ToEmonCMS']
2024-12-10 08:43:06,333 DEBUG MainThread Automatic configuration of nodes
enabled
2024-12-10 08:43:08,353 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:43:08,354 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:43:08,354 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 0
2024-12-10 08:43:08,354 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:43:08,354 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:43:08,354 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:43:08,355 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:43:08,355 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:43:08,355 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:43:08,355 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:43:13,683 DEBUG MainThread Signal 15 received.
2024-12-10 08:43:13,772 INFO MainThread Exiting hub...
2024-12-10 08:43:13,939 INFO MainThread Exit completed
2024-12-10 08:43:14,545 INFO MainThread EmonHub v2.6.5
2024-12-10 08:43:14,545 INFO MainThread Opening hub...
2024-12-10 08:43:14,546 INFO MainThread Running as user: pi
2024-12-10 08:43:14,546 INFO MainThread Logging level set to DEBUG
2024-12-10 08:43:14,546 INFO MainThread Creating EmonHubOEMInterfacer
'EmonPi2'
2024-12-10 08:43:14,547 DEBUG MainThread Opening serial port: /dev/ttyAMA0
@ 115200 bits/s
2024-12-10 08:43:14,547 INFO MainThread Creating
EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:43:14,552 INFO MainThread Connecting to Modbus device=/dev/
ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:43:14,553 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
read_interval: 20
2024-12-10 08:43:14,553 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
nodename: samsung-ashp
2024-12-10 08:43:14,553 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
prefix:
2024-12-10 08:43:14,553 INFO MainThread Setting SAMSUNG-ASHP-MIB19N

meters ashp device_type samsung
2024-12-10 08:43:14,553 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 0
2024-12-10 08:43:14,553 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:43:14,554 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:43:14,554 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:43:14,554 INFO MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:43:14,554 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:43:14,555 INFO MainThread Creating
EmonHubRFM69LPLInterfacer 'SPI'
2024-12-10 08:43:14,560 INFO MainThread Creating RFM69 LowPowerLabs
interfacer
2024-12-10 08:43:14,560 INFO MainThread RFM69 node_id = 5
2024-12-10 08:43:14,561 INFO MainThread RFM69 network_id = 210
2024-12-10 08:43:14,561 INFO MainThread RFM69 interruptPin = 22
2024-12-10 08:43:14,561 INFO MainThread RFM69 resetPin = 24
2024-12-10 08:43:14,561 INFO MainThread RFM69 selPin = 16
2024-12-10 08:43:14,561 INFO MainThread Starting radio setup
2024-12-10 08:43:15,262 ERROR MainThread Could not connect to RFM69
module
2024-12-10 08:43:15,262 DEBUG MainThread Setting SPI pubchannels:
['ToEmonCMS']
2024-12-10 08:43:15,263 INFO MainThread Creating EmonHubMqttInterfacer
'MQTT'
2024-12-10 08:43:15,263 DEBUG MainThread Setting MQTT pubchannels:
['ToRFM12']
2024-12-10 08:43:15,263 DEBUG MainThread Setting MQTT subchannels:
['ToEmonCMS']
2024-12-10 08:43:15,263 INFO MainThread Setting MQTT node_format_enable:
0
2024-12-10 08:43:15,264 INFO MainThread Setting MQTT
nodevar_format_enable: 1
2024-12-10 08:43:15,264 INFO MainThread Setting MQTT
nodevar_format_basetopic: emon/
2024-12-10 08:43:15,264 INFO MainThread Setting MQTT node_JSON_enable: 0
2024-12-10 08:43:15,264 INFO MainThread Creating
EmonHubEmoncmsHTTPInterfacer 'emoncmsorg'
2024-12-10 08:43:15,265 DEBUG MainThread Setting emoncmsorg interval: 30
2024-12-10 08:43:15,265 DEBUG MainThread Setting emoncmsorg pubchannels:
['ToRFM12']
2024-12-10 08:43:15,265 DEBUG MainThread Setting emoncmsorg subchannels:

['ToEmonCMS']

2024-12-10 08:43:15,265 WARNING MainThread Setting emoncmsorg apikey: obscured

2024-12-10 08:43:15,266 INFO MainThread Setting emoncmsorg url: https://emoncms.org

2024-12-10 08:43:15,266 INFO MainThread Setting emoncmsorg senddata: 1

2024-12-10 08:43:15,266 INFO MainThread Setting emoncmsorg sendstatus: 0

2024-12-10 08:43:15,266 INFO MainThread Setting emoncmsorg sendnames: 1

2024-12-10 08:43:15,266 INFO MainThread Setting emoncmsorg compress: 0

2024-12-10 08:43:15,267 INFO MainThread Creating

EmonHubDS18B20Interfacer 'DS18B20'

2024-12-10 08:43:15,281 INFO MainThread Setting DS18B20 read_interval: 10

2024-12-10 08:43:15,281 INFO MainThread Setting DS18B20 nodename:

sensors

2024-12-10 08:43:15,282 INFO MainThread Setting DS18B20 ids:

2024-12-10 08:43:15,282 INFO MainThread Setting DS18B20 names:

2024-12-10 08:43:15,282 DEBUG MainThread Setting DS18B20 pubchannels:

['ToEmonCMS']

2024-12-10 08:43:15,282 DEBUG MainThread Automatic configuration of nodes enabled

2024-12-10 08:43:20,063 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active

2024-12-10 08:43:20,404 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:20,505 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:20,605 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:20,706 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:20,807 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:20,908 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,009 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,110 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,211 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,312 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,412 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,513 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,614 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,714 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:43:21,814 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:21,915 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:22,015 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:22,116 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:43:22,116 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:43:40,034 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:43:40,372 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:40,473 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:40,573 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:40,674 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:40,775 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:40,876 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:40,977 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,078 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,179 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,280 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,380 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,481 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,582 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,683 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,784 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,885 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:41,986 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:43:42,086 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:43:42,087 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:44:00,012 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active

2024-12-10 08:44:00,347 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:00,448 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:00,548 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:00,649 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:00,749 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:00,849 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:00,950 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,050 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,151 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,251 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,351 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,452 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,552 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,653 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,753 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,854 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:01,955 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:02,056 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers

2024-12-10 08:44:02,056 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int

2024-12-10 08:44:20,081 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active

2024-12-10 08:44:20,415 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:20,516 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:20,616 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:20,717 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:20,817 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:20,918 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,018 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,119 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,219 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,319 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,420 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,520 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,620 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,721 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,821 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:21,922 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:22,022 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:22,123 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:44:22,123 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:44:37,238 DEBUG MainThread Signal 15 received.
2024-12-10 08:44:37,401 INFO MainThread Exiting hub...
2024-12-10 08:44:37,680 INFO MainThread Exit completed
2024-12-10 08:44:38,333 INFO MainThread EmonHub v2.6.5
2024-12-10 08:44:38,334 INFO MainThread Opening hub...
2024-12-10 08:44:38,334 INFO MainThread Running as user: pi
2024-12-10 08:44:38,334 INFO MainThread Logging level set to DEBUG
2024-12-10 08:44:38,334 INFO MainThread Creating EmonHubOEMInterfacer 'EmonPi2'
2024-12-10 08:44:38,335 DEBUG MainThread Opening serial port: /dev/ttyAMA0 @ 115200 bits/s
2024-12-10 08:44:38,336 INFO MainThread Creating EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:44:38,340 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:44:38,341 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20
2024-12-10 08:44:38,341 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp
2024-12-10 08:44:38,341 INFO MainThread Setting SAMSUNG-ASHP-MIB19N

prefix:

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2024-12-10 08:44:38,341 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp device_type samsung
2024-12-10 08:44:38,341 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp address 0
2024-12-10 08:44:38,342 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:44:38,342 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp",
"flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target",
"defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve",
"compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:44:38,342 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:44:38,342 INFO   MainThread Setting SAMSUNG-ASHP-MIB19N
meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0,
1.0, 1.0, 1.0]
2024-12-10 08:44:38,342 DEBUG  MainThread Setting SAMSUNG-ASHP-MIB19N
pubchannels: ['ToEmonCMS']
2024-12-10 08:44:38,343 INFO   MainThread Creating
EmonHubRFM69LPLInterfacer 'SPI'
2024-12-10 08:44:38,348 INFO   MainThread Creating RFM69 LowPowerLabs
interfacer
2024-12-10 08:44:38,349 INFO   MainThread RFM69 node_id = 5
2024-12-10 08:44:38,349 INFO   MainThread RFM69 network_id = 210
2024-12-10 08:44:38,349 INFO   MainThread RFM69 interruptPin = 22
2024-12-10 08:44:38,349 INFO   MainThread RFM69 resetPin = 24
2024-12-10 08:44:38,349 INFO   MainThread RFM69 selPin = 16
2024-12-10 08:44:38,349 INFO   MainThread Starting radio setup
2024-12-10 08:44:39,050 ERROR  MainThread Could not connect to RFM69
module
2024-12-10 08:44:39,050 DEBUG  MainThread Setting SPI pubchannels:
['ToEmonCMS']
2024-12-10 08:44:39,051 INFO   MainThread Creating EmonHubMqttInterfacer
'MQTT'
2024-12-10 08:44:39,051 DEBUG  MainThread Setting MQTT pubchannels:
['ToRFM12']
2024-12-10 08:44:39,051 DEBUG  MainThread Setting MQTT subchannels:
['ToEmonCMS']
2024-12-10 08:44:39,052 INFO   MainThread Setting MQTT node_format_enable:
0
2024-12-10 08:44:39,052 INFO   MainThread Setting MQTT
nodevar_format_enable: 1
2024-12-10 08:44:39,052 INFO   MainThread Setting MQTT
nodevar_format_basetopic: emon/
2024-12-10 08:44:39,052 INFO   MainThread Setting MQTT node_JSON_enable: 0
2024-12-10 08:44:39,052 INFO   MainThread Creating
EmonHubEmoncmsHTTPInterfacer 'emoncmsorg'
2024-12-10 08:44:39,053 DEBUG  MainThread Setting emoncmsorg interval: 30
2024-12-10 08:44:39,053 DEBUG  MainThread Setting emoncmsorg pubchannels:
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['ToRFM12']
2024-12-10 08:44:39,053 DEBUG MainThread Setting emoncmsorg subchannels:
['ToEmonCMS']
2024-12-10 08:44:39,053 WARNING MainThread Setting emoncmsorg apikey:
obscured
2024-12-10 08:44:39,054 INFO MainThread Setting emoncmsorg url: https://
emoncms.org
2024-12-10 08:44:39,054 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:44:39,054 INFO MainThread Setting emoncmsorg sendstatus: 0
2024-12-10 08:44:39,054 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:44:39,054 INFO MainThread Setting emoncmsorg compress: 0
2024-12-10 08:44:39,055 INFO MainThread Creating
EmonHubDS18B20Interfacer 'DS18B20'
2024-12-10 08:44:39,069 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:44:39,070 INFO MainThread Setting DS18B20 nodename:
sensors
2024-12-10 08:44:39,070 INFO MainThread Setting DS18B20 ids:
2024-12-10 08:44:39,070 INFO MainThread Setting DS18B20 names:
2024-12-10 08:44:39,070 DEBUG MainThread Setting DS18B20 pubchannels:
['ToEmonCMS']
2024-12-10 08:44:39,071 DEBUG MainThread Automatic configuration of nodes
enabled
2024-12-10 08:44:40,048 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:44:40,383 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:40,484 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:40,584 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:40,685 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:40,785 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:40,885 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:40,986 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,086 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,187 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,287 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,388 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,488 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,588 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 5: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:44:41,689 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,789 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,890 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:41,990 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:44:42,090 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:44:42,091 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:45:00,008 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:45:00,343 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:00,444 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:00,544 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:00,645 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:00,745 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:00,846 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:00,947 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,048 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,149 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,250 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,351 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,452 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,553 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,653 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,754 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,855 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:01,956 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:02,057 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers

2024-12-10 08:45:02,057 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:45:20,085 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:45:20,419 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:20,520 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:20,620 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:20,721 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:20,821 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:20,922 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,022 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,122 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,223 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,323 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,424 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,524 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,624 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,725 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,825 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:21,926 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:22,026 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:22,126 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:45:22,126 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:45:40,048 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:45:40,384 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:40,485 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:40,585 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:45:40,686 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:40,787 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:40,888 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:40,989 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,090 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,191 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,292 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,392 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,493 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,594 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,695 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,796 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,897 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:41,998 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:45:42,098 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:45:42,099 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:46:00,018 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:46:00,356 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:00,457 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:00,557 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:00,658 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:00,759 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:00,860 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:00,962 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,062 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:46:01,163 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,264 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,365 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,466 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,567 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,668 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,769 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,870 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:01,971 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:02,072 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:46:02,072 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:46:20,095 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:46:20,431 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:20,532 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:20,632 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:20,735 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:20,835 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:20,935 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,036 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,136 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,237 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,337 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,437 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,538 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,638 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:46:21,739 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,839 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:21,939 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:22,040 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:22,140 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:46:22,140 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:46:40,067 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:46:40,404 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:40,505 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:40,605 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:40,706 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:40,807 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:40,908 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,009 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,110 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,211 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,312 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,413 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,513 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,614 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,715 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,815 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:41,915 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:42,016 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:46:42,116 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers

2024-12-10 08:46:42,116 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:47:00,038 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:47:00,376 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:00,477 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:00,577 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:00,678 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:00,779 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:00,880 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:00,981 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,082 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,183 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,284 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,384 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,485 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,586 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,687 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,788 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,889 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:01,990 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:02,091 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:47:02,091 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:47:20,013 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:47:20,347 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:20,448 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:20,548 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:47:20,648 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:20,749 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:20,849 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:20,950 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,050 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,151 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,251 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,351 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,452 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,552 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,652 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,753 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,853 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:21,954 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:22,054 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:47:22,055 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:47:40,082 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:47:40,419 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:40,520 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:40,620 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:40,721 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:40,821 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:40,922 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,022 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,122 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:47:41,223 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,323 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,424 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,524 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,624 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,725 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,825 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:41,926 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:42,026 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:47:42,126 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:47:42,127 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:48:00,045 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:48:00,384 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:00,485 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:00,585 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:00,686 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:00,787 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:00,890 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:00,961 DEBUG MainThread Signal 15 received.
2024-12-10 08:48:00,991 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:01,028 INFO MainThread Exiting hub...
2024-12-10 08:48:01,091 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:01,192 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:01,293 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:01,394 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:01,495 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:48:01,596 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:01,697 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:01,798 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:01,899 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:02,000 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:02,101 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:48:02,101 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:48:02,328 INFO MainThread Exit completed
2024-12-10 08:48:02,990 INFO MainThread EmonHub v2.6.5
2024-12-10 08:48:02,991 INFO MainThread Opening hub...
2024-12-10 08:48:02,991 INFO MainThread Running as user: pi
2024-12-10 08:48:02,991 INFO MainThread Logging level set to DEBUG
2024-12-10 08:48:02,991 INFO MainThread Creating EmonHubOEMInterfacer 'EmonPi2'
2024-12-10 08:48:02,992 DEBUG MainThread Opening serial port: /dev/ttyAMA0 @ 115200 bits/s
2024-12-10 08:48:02,993 INFO MainThread Creating EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:48:02,997 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:48:02,998 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20
2024-12-10 08:48:02,998 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp
2024-12-10 08:48:02,998 INFO MainThread Setting SAMSUNG-ASHP-MIB19N prefix:
2024-12-10 08:48:02,998 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp device_type samsung
2024-12-10 08:48:02,999 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp address 0
2024-12-10 08:48:02,999 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:48:02,999 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp", "flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target", "defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve", "compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:48:02,999 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:48:02,999 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0, 1.0, 1.0]
2024-12-10 08:48:03,000 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N

pubchannels: ['ToEmonCMS']
2024-12-10 08:48:03,000 INFO MainThread Creating EmonHubRFM69LPLInterfacer 'SPI'
2024-12-10 08:48:03,006 INFO MainThread Creating RFM69 LowPowerLabs interfacer
2024-12-10 08:48:03,006 INFO MainThread RFM69 node_id = 5
2024-12-10 08:48:03,006 INFO MainThread RFM69 network_id = 210
2024-12-10 08:48:03,006 INFO MainThread RFM69 interruptPin = 22
2024-12-10 08:48:03,006 INFO MainThread RFM69 resetPin = 24
2024-12-10 08:48:03,006 INFO MainThread RFM69 selPin = 16
2024-12-10 08:48:03,006 INFO MainThread Starting radio setup
2024-12-10 08:48:03,707 ERROR MainThread Could not connect to RFM69 module
2024-12-10 08:48:03,707 DEBUG MainThread Setting SPI pubchannels: ['ToEmonCMS']
2024-12-10 08:48:03,708 INFO MainThread Creating EmonHubMqttInterfacer 'MQTT'
2024-12-10 08:48:03,708 DEBUG MainThread Setting MQTT pubchannels: ['ToRFM12']
2024-12-10 08:48:03,709 DEBUG MainThread Setting MQTT subchannels: ['ToEmonCMS']
2024-12-10 08:48:03,709 INFO MainThread Setting MQTT node_format_enable: 0
2024-12-10 08:48:03,709 INFO MainThread Setting MQTT nodevar_format_enable: 1
2024-12-10 08:48:03,709 INFO MainThread Setting MQTT nodevar_format_basetopic: emon/
2024-12-10 08:48:03,709 INFO MainThread Setting MQTT node_JSON_enable: 0
2024-12-10 08:48:03,710 INFO MainThread Creating EmonHubEmoncmsHTTPInterfacer 'emoncmsorg'
2024-12-10 08:48:03,710 DEBUG MainThread Setting emoncmsorg interval: 30
2024-12-10 08:48:03,710 DEBUG MainThread Setting emoncmsorg pubchannels: ['ToRFM12']
2024-12-10 08:48:03,710 DEBUG MainThread Setting emoncmsorg subchannels: ['ToEmonCMS']
2024-12-10 08:48:03,711 WARNING MainThread Setting emoncmsorg apikey: obscured
2024-12-10 08:48:03,711 INFO MainThread Setting emoncmsorg url: https://emoncms.org
2024-12-10 08:48:03,711 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:48:03,711 INFO MainThread Setting emoncmsorg sendstatus: 0
2024-12-10 08:48:03,711 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:48:03,711 INFO MainThread Setting emoncmsorg compress: 0
2024-12-10 08:48:03,712 INFO MainThread Creating EmonHubDS18B20Interfacer 'DS18B20'
2024-12-10 08:48:03,727 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:48:03,727 INFO MainThread Setting DS18B20 nodename: sensors
2024-12-10 08:48:03,727 INFO MainThread Setting DS18B20 ids:
2024-12-10 08:48:03,728 INFO MainThread Setting DS18B20 names:

2024-12-10 08:48:03,728 DEBUG MainThread Setting DS18B20 pubchannels: ['ToEmonCMS']
2024-12-10 08:48:03,728 DEBUG MainThread Automatic configuration of nodes enabled
2024-12-10 08:48:20,033 DEBUG SAMSUNG-ASHP-MIB19N Samsung device active
2024-12-10 08:48:20,367 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:20,468 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:20,568 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:20,669 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:20,769 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:20,870 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 68: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:20,971 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,072 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,173 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,274 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,375 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,476 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,577 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,677 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,778 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,879 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:21,980 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:22,081 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:48:22,082 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:48:28,306 DEBUG MainThread Signal 15 received.
2024-12-10 08:48:28,502 INFO MainThread Exiting hub...
2024-12-10 08:48:28,860 INFO MainThread Exit completed
2024-12-10 08:48:29,459 INFO MainThread EmonHub v2.6.5
2024-12-10 08:48:29,460 INFO MainThread Opening hub...
2024-12-10 08:48:29,460 INFO MainThread Running as user: pi

2024-12-10 08:48:29,460 INFO MainThread Logging level set to DEBUG
2024-12-10 08:48:29,460 INFO MainThread Creating EmonHubOEMInterfacer 'EmonPi2'
2024-12-10 08:48:29,461 DEBUG MainThread Opening serial port: /dev/ttyAMA0 @ 115200 bits/s
2024-12-10 08:48:29,462 INFO MainThread Creating EmonHubMinimalModbusInterfacer 'SAMSUNG-ASHP-MIB19N'
2024-12-10 08:48:29,466 INFO MainThread Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int
2024-12-10 08:48:29,467 INFO MainThread Setting SAMSUNG-ASHP-MIB19N read_interval: 20
2024-12-10 08:48:29,467 INFO MainThread Setting SAMSUNG-ASHP-MIB19N nodename: samsung-ashp
2024-12-10 08:48:29,467 INFO MainThread Setting SAMSUNG-ASHP-MIB19N prefix:
2024-12-10 08:48:29,467 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp device_type samsung
2024-12-10 08:48:29,467 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp address 0
2024-12-10 08:48:29,468 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp registers [75, 74, 72, 65, 66, 68, 52, 59, 58, 2, 79, 87, 5, 89, 4, 85, 88]
2024-12-10 08:48:29,468 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp names ["dhw_temp", "dhw_target", "dhw_status", "return_temp", "flow_temp", "flow_target", "heating_status", "indoor_temp", "indoor_target", "defrost_status", "away_status", "flow_rate", "outdoor_temp", "3_way_valve", "compressor_freq", "dhw_boost_heater_status", "compressor_freq_percentage"]
2024-12-10 08:48:29,468 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp precision [2, 2, 1, 2, 2, 2, 1, 2, 2, 1, 1, 2, 2, 1, 1, 1, 1]
2024-12-10 08:48:29,468 INFO MainThread Setting SAMSUNG-ASHP-MIB19N meters ashp scales [0.1, 0.1, 1.0, 0.1, 0.1, 0.1, 1.0, 0.1, 0.1, 1.0, 1.0, 0.1, 0.1, 1.0, 1.0, 1.0]
2024-12-10 08:48:29,468 DEBUG MainThread Setting SAMSUNG-ASHP-MIB19N pubchannels: ['ToEmonCMS']
2024-12-10 08:48:29,469 INFO MainThread Creating EmonHubRFM69LPLInterfacer 'SPI'
2024-12-10 08:48:29,474 INFO MainThread Creating RFM69 LowPowerLabs interfacer
2024-12-10 08:48:29,475 INFO MainThread RFM69 node_id = 5
2024-12-10 08:48:29,475 INFO MainThread RFM69 network_id = 210
2024-12-10 08:48:29,475 INFO MainThread RFM69 interruptPin = 22
2024-12-10 08:48:29,475 INFO MainThread RFM69 resetPin = 24
2024-12-10 08:48:29,475 INFO MainThread RFM69 selPin = 16
2024-12-10 08:48:29,475 INFO MainThread Starting radio setup
2024-12-10 08:48:30,176 ERROR MainThread Could not connect to RFM69 module
2024-12-10 08:48:30,176 DEBUG MainThread Setting SPI pubchannels: ['ToEmonCMS']
2024-12-10 08:48:30,177 INFO MainThread Creating EmonHubMqttInterfacer 'MQTT'
2024-12-10 08:48:30,177 DEBUG MainThread Setting MQTT pubchannels:

['ToRFM12']
2024-12-10 08:48:30,178 DEBUG MainThread Setting MQTT subchannels:
['ToEmonCMS']
2024-12-10 08:48:30,178 INFO MainThread Setting MQTT node_format_enable:
0
2024-12-10 08:48:30,178 INFO MainThread Setting MQTT
nodevar_format_enable: 1
2024-12-10 08:48:30,178 INFO MainThread Setting MQTT
nodevar_format_basetopic: emon/
2024-12-10 08:48:30,178 INFO MainThread Setting MQTT node_JSON_enable: 0
2024-12-10 08:48:30,179 INFO MainThread Creating
EmonHubEmoncmsHTTPInterfacer 'emoncmsorg'
2024-12-10 08:48:30,179 DEBUG MainThread Setting emoncmsorg interval: 30
2024-12-10 08:48:30,179 DEBUG MainThread Setting emoncmsorg pubchannels:
['ToRFM12']
2024-12-10 08:48:30,179 DEBUG MainThread Setting emoncmsorg subchannels:
['ToEmonCMS']
2024-12-10 08:48:30,180 WARNING MainThread Setting emoncmsorg apikey:
obscured
2024-12-10 08:48:30,180 INFO MainThread Setting emoncmsorg url: https://
emoncms.org
2024-12-10 08:48:30,180 INFO MainThread Setting emoncmsorg senddata: 1
2024-12-10 08:48:30,180 INFO MainThread Setting emoncmsorg sendstatus: 0
2024-12-10 08:48:30,180 INFO MainThread Setting emoncmsorg sendnames: 1
2024-12-10 08:48:30,180 INFO MainThread Setting emoncmsorg compress: 0
2024-12-10 08:48:30,181 INFO MainThread Creating
EmonHubDS18B20Interfacer 'DS18B20'
2024-12-10 08:48:30,195 INFO MainThread Setting DS18B20 read_interval: 10
2024-12-10 08:48:30,196 INFO MainThread Setting DS18B20 nodename:
sensors
2024-12-10 08:48:30,196 INFO MainThread Setting DS18B20 ids:
2024-12-10 08:48:30,196 INFO MainThread Setting DS18B20 names:
2024-12-10 08:48:30,196 DEBUG MainThread Setting DS18B20 pubchannels:
['ToEmonCMS']
2024-12-10 08:48:30,197 DEBUG MainThread Automatic configuration of nodes
enabled
2024-12-10 08:48:40,083 DEBUG SAMSUNG-ASHP-MIB19N Samsung device
active
2024-12-10 08:48:40,419 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 75: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:40,520 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 74: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:40,620 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 72: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:40,721 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 65: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:40,821 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 66: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:40,922 ERROR SAMSUNG-ASHP-MIB19N Could not read
register @ 68: Wrong functioncode for broadcast. Given: 3

2024-12-10 08:48:41,022 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 52: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,122 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 59: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,223 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 58: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,323 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 2: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,424 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 79: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,524 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 87: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,625 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 5: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,725 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 89: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,825 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 4: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:41,926 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 85: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:42,026 ERROR SAMSUNG-ASHP-MIB19N Could not read register @ 88: Wrong functioncode for broadcast. Given: 3
2024-12-10 08:48:42,127 ERROR SAMSUNG-ASHP-MIB19N Could not read all registers
2024-12-10 08:48:42,127 INFO SAMSUNG-ASHP-MIB19N Connecting to Modbus device=/dev/ttyAMA0 baud=9600 parity=even datatype=int