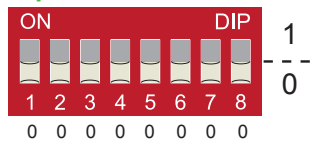


QUICK GUIDE - EE10 with RS485 Interface (Models M1 + M3)

Address Setting

Dip-Switch

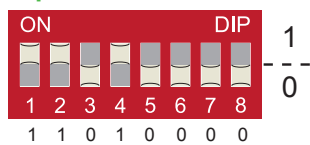


Slave address setting via EE-PCS Product Configuration Software:

All DIP-switches at position 0 → address has to be set via configuration software (factory setting: Modbus...236 / BACnet...5).

Example: Slave address is set via configuration software.

Dip-Switch



Slave address setting via Dip-Switch:

Setting the DIP-switch to any other address than 0 overwrites the slave address selected via configuration software.

Example: Slave address set to 11 (=00001011 binary).

BACnet Setup

Factory setting: Baud rate: 38400 / Data bit: 8 / Parity: no / Stop bit: 1

Modbus Setup

Factory setting: Baud rate: 9600 / Data bit: 8 / Parity: even / Stop bit: 1

The factory setting for the Slave-ID is 236 as an integer 16Bit value. This ID can be customized in the register 60001 (0x00) (value margin 1 - 247 permitted).

The serial number as ASCII-code is located at register address 30001-30008.

The measured values are saved as a 32Bit float value from 0x19 to 0x2F.

The required units (metric or non-metric) must be selected in the „Ordering guide“, see EE10 data sheet.

| FLOAT (read register): | | |
|-------------------------------|-----------------------|---|
| Register address | Communication address | Parameter name |
| 30026 | 0x19 | temperature [°C], [°F] |
| 30028 | 0x1B | relative humidity [%] |
| 30030 | 0x1D | water vapour partial pressure [mbar], [psi] |
| 30032 | 0x1F | dew point temperature [°C], [°F] |
| 30036 | 0x23 | absolute humidity [g/m³], [g/ft³] |
| 30038 | 0x25 | mixing ratio [g/kg], [gr/lb] |
| 30040 | 0x27 | specific enthalpy [kJ/kg], [BTU/lb] |
| 30042 | 0x29 | frost point temperature [°C], [°F] |

Please note: Register address 30028...30042 is not available with temperature version: EE10-M3J3...

| INFO (read register): | | |
|------------------------------|-----------------------|--------------------------|
| Register address | Communication address | Parameter name |
| 30001 | 0x00 | Serial number (as ASCII) |
| 30009 | 0x08 | Firmware version |

| INTEGER (write register):* | | |
|-----------------------------------|-----------------------|---------------------------|
| Register address | Communication address | Parameter name |
| 60001 | 0x00 | Slave-ID (modbus adresse) |
| 60002 | 0x01 | Modbus protocol settings* |

