MM-OT101

Communication gateway with Modbus and Opentherm

BASIC CHARACTERISTICS

- Available Modbus-RS485 settings
  - Address 1 – 7
  - Speed 9.6/19.2kbps
  - Parity E/N
  - Possibility of enabling terminal resistor
- Supported Opentherm protocol
  - OpenTherm/Plus (OT+)
- OpenTherm gateway function – monitoring of communication
  - Connection of OT boiler and thermostat
  - Prolonging of the OT line
- Power supply 5-24V DC
- Ready to mount on DIN rail
- Usage: controlling and monitoring of boilers, cascades, HVAC, energetic management

DIP SWITCH SETTINGS

Switch	Description	ON state	OFF state
1	Baud rate	19200 baud	9600 baud
2	Parity	Even	No parity
3	Modbus address	weight 4	-
4	Modbus address	weight 2	-
5	Modbus address	weight 1	-

Example: Switches 1 and 3 - ON; 2,4 and 5 Off → Address = 5, no parity, 9600baud

Note: Address 0 isn't allowed

OPERATING AND INSTALLATION CONDITIONS

Baud rate of RS485	9600 / 19200 baud
Galvanical isolation of RS485	Yes
Baud rate of OpenTherm	1 kbit
Galvanical isolation of OpenTherm	Only to the boiler
Power supply	5 - 24 V DC
Power consumption	Max 750 mW
Overvoltage/Reverse polarity protection	Yes/Yes
Protection	IP10

MOUNTING INFORMATION

Installation	DIN rail (35mm)
Connection	Separable screw clamps
Wire gauge	Max 2.5 mm^2
Storage temperature	-25 ÷ +70 °C
Operating temperature	0 ÷ + 55 °C
Dimensions	53 x 90 x 58 mm (w, h, d)
Weight	85 g