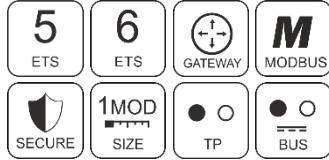




Data sheet

KNX Modbus RTU Gateway 886.1 *secure*

For Modbus RS-485, bus powered



(Art. # 5498)

Application area

The KNX Modbus RTU Gateway 886.1 *secure* is a compact Gateway between KNX TP and Modbus RTU with 250 freely configurable channels.

The device enables easy integration of Modbus devices that support the RTU protocol via RS-485 and can act as a Modbus master or slave. As Master the device can address up to 25 slave devices.

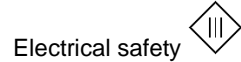
The assignment between KNX objects and Modbus registers can be configured via parameters in the ETS without an additional tool.

Two buttons and three LEDs allow local operation and visualization of the device status.

The gateway provides a galvanic isolation between KNX bus and Modbus.

Power is supplied via the KNX bus. The device supports KNX Security.

Technical Specification



Electrical safety

- Protection (acc. EN 60529): IP20

CE marking according to

- EMC directive 2014 / 30 / EU
- RoHS directive 2011 / 65 / EU
- EN 63044-3: 2018
- EN 63044-5-1: 2019
- EN 63044-5-2: 2019
- EN 63044-5-3: 2019
- EN 61000-6-2: 2019
- EN 61000-6-3: 2021
- EN 63000: 2018

Environmental requirements

- Ambient temp. operating: - 5 ... + 45 °C
- Ambient temp. non-op.: - 25 ... + 70 °C
- Rel. humidity (non-condensing): 5 ... 93 %

Mechanical data

- Housing: plastic (PC)
- DIN rail mounted device, width: 1 unit (18 mm)
- Weight: approx. 50 g

Controls and indicators

- 2 buttons and 3 LEDs (multicolor)
- KNX programming button with LED (red)

Modbus

- Type: RTU (RS-485), Master or Slave
- As master: up to 25 slave devices
- Up to 250 channels

Power supply

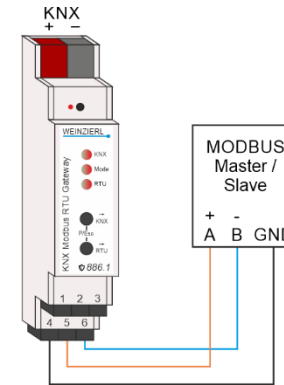
- KNX bus approx. 8 mA

Connectors

- Connector for KNX Bus (red / black)
- 2x pluggable screw connector (3 poles) for Modbus
- Cross-section of connectors: 0.34 ... 2.5 mm²

Installation Instructions

- The device may be used for permanent interior installations in dry locations or within distribution boards with DIN rail.



WARNING

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.



Product database for ETS 5/6
www.weinzierl.de/en/products/886.1/ets6
 Manual
www.weinzierl.de/en/products/886.1/manual
 CE Declaration
www.weinzierl.de/en/products/886.1/ce-declaration

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