

XR1005-MBUS

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OVERVIEW:

M-Bus Master / M-Bus Converter is dedicated to convert M-Bus signal to RS485 and vice versa. Up to 160 M-Bus devices can be connected to M-Bus Master / M-Bus Converter.



FEATURES:

- MAX amount of M-Bus devices: 160
- RS485 transmission direction: automatic
- M-Bus short connection protection: yes
- Power supply: DC12V-24V
- Mounting type: on DIN rail

TECHNICAL SPECIFICATIONS

| Description | M-Bus Master/Converter (M-Bus - RS485) |
|---------------------------------|--|
| RS485 | automatic chose of direction, max 32 transvers |
| M-Bus | 5 M-Bus loops, 32 devices per loop |
| General | |
| Power supply | DC12-24V |
| M-Bus line power | mark 30-36V |
| Adjustment to M-Bus loads | Automatic |
| Physical characteristics | |
| Dimensions | 115*70*25 mm |
| Weight | 200g |
| Mounting type | on DIN rail |

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TECHNICAL SPECIFICATIONS

| Description | M-Bus Master/Converter (XR1005-MBUS) |
|---------------------------|--------------------------------------|
| Climate conditions | |
| Operating temperature | -20 to +50oC |
| Storage temperature | -50 to +70oC |
| Humidity range | 5 – 95%, non-condensing |
| LED indication | |
| Off line /Communication | M-Bus not loaded (ON) |
| Overload /Overload | M-Bus short connection |
| Operating /CPU | M-Bus power (ON/Off) |
| Other features | |
| Warranty period | 2 Years |

Application



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Indicator Description:

| Indicator | Description |
|----------------------------|--|
| 1.Power indicator | At the beginning of power supply, the power indicator (green) flashes.When the indicator goes off, it indicates that the module cannot work normally, so the power interface must be disconnected. |
| 2. Communication indicator | When downlink data (the computer sends data to the meter), the indicator light (green) flashes, and the data is extinguished after completion;When no data is sent, the green indicator lights up, indicating that the module cannot work normally.When uplink data (the meter returns data to the computer), the indicator light (green) flashes, and the data is extinguished after receiving;When the instrument does not return data, the green color is long bright or flashing, indicating instrument fault or line fault. |
| 3.Overload indicator | When the MBUS end is short-circuited or overloaded, the indicator light (red) will be long and bright, and the module will enter the protection state. At this time, the load shall be disconnected, and the module will recover automatically. |

Common Problem:

| Question | Answer |
|---|---|
| 1. After the power is connected, the power indicator does not go on | Check whether the contact of power supply port is reliable. |
| 2.When downlink data, communication green light does not flicker | Check that the USB port is selected correctly and that the driver is installed correctly. |
| 3. No data sent, communication indicator long green light or flashing | The module has failed. Please contact the manufacturer for repair. |

Product Display

