● 2-WIRE INTERFACE MODULE

RMN-004

INTERFACE MODULE

DESCRIPTION

- Converting 2wire communication signals to the protocols of Modbus RTU for RS485 / RS422
- RMN-004 can be used together in the 9 bus rs485 system or connect 2 wire systems to join in the RS RS-485 system with a maximum of 9 loop.
- Showing results with LED Power Supply (Green), Run (Yellow), and Alarm (Red)
- There is 1 Relay Alarm when there is a communication error

TECHNICAL SPECIFICATION

Power Supply	220 VAC ± 10 % 50/60 Hz
Power Consumption	3VA
Communication Port	RS-485
Setting	1x Spinning button
Operating Temperature	0 to 50 ˚C
Storage Temperature	-20 to 70 ˚C
Operating Humidity	20 to 85 %RH
Insulation Resistance	>100M Ω (EN61010-1)
Installation Category	CAT II
Attitude	Not Suitable for Use Above 2000m.
Installation Category	CAT II
Terminal Size	For Cable from Ø 0.2 to 2.5 mm. (AWG 22 to 14)
Material	PC-ABS (UL 94V-0)
Installation	DIN RAIL Mounting
Size	89.5 x 74.6 x 61.5 mm.
Weight	215 g.

OPERATION

RMN-004 Interface RS-485 Module serves to connect 2 - wire signals to the Modbus RTU for RS-485 signal, allowing PC Server or PLC to control I/0 in 2 wire systems. As shown in Figure 1 shows the connection of the 2-wire system to the RS485 system

On the Master I/0 module, one set of rotary switches is located under the plastic plate. The front plate is used to set the Address. The module is used to communicate with Modbus RTU Protocol on Bus RS485. In addition, the LED displays the status of Supply, Run, Alarm, and Input/ Output status of each channel.

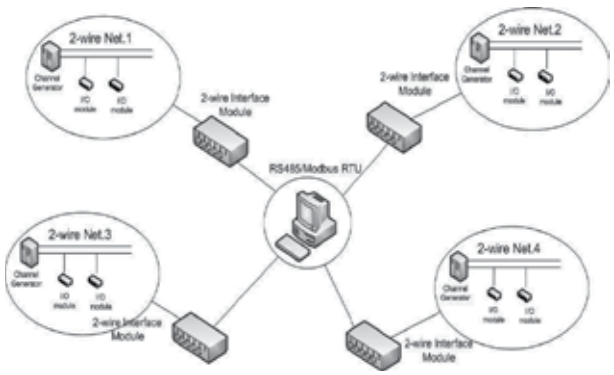


Figure 1 shows the connection between the 2 wire system and RS 485 / Modbus RTU.

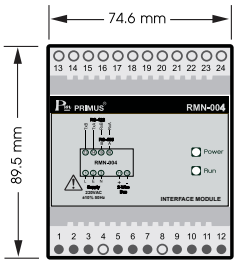
LED Display

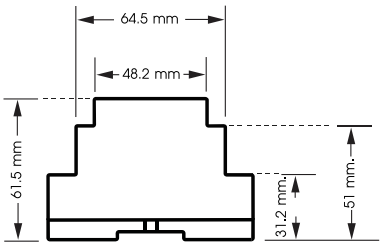
LED POWER (Green)

LED RUN (Yellow)

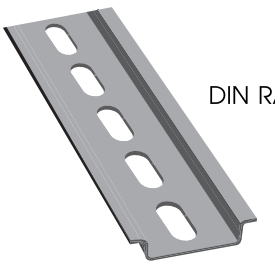
LED will be on when supplying power to the Master I/ 0 Module The LED will be on when the Module receives a frame with numbered phase, Frame and Box match the setting on the Rotary Switch.

DIMENSION

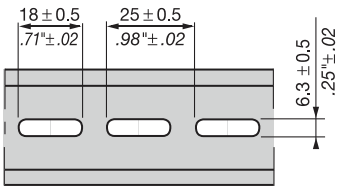


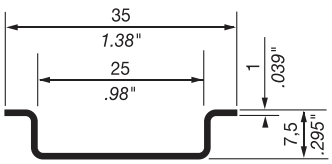


INSTALLATION

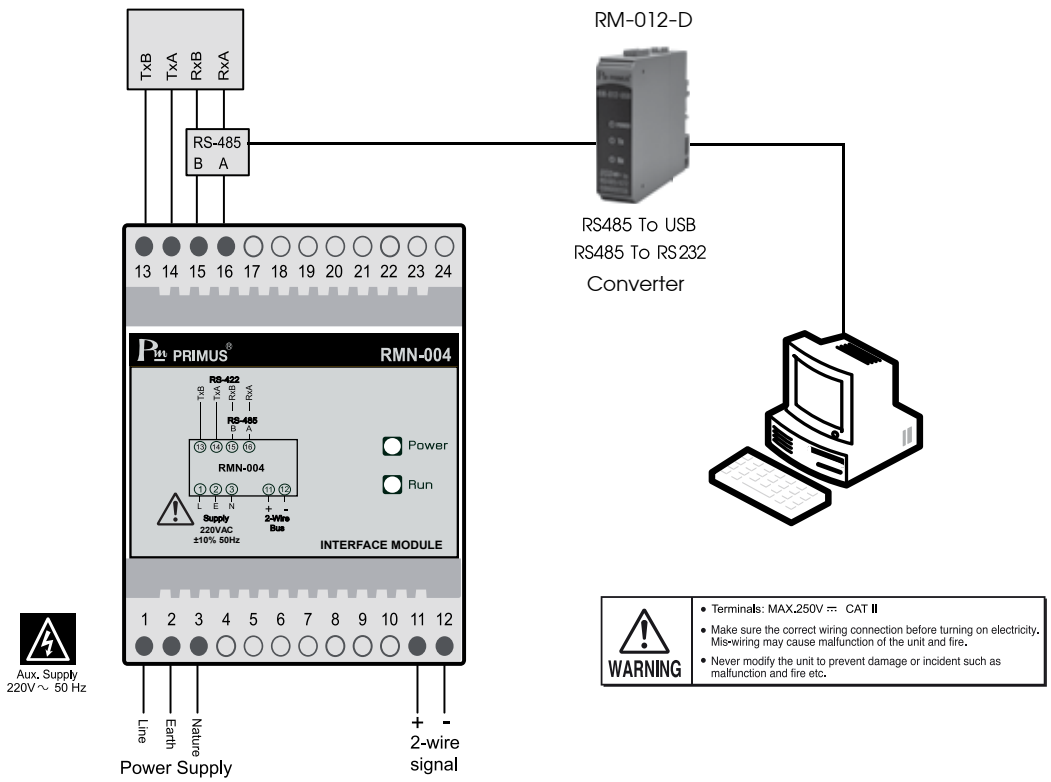


DIN RAIL





WIRING DIAGRAM



ORDERING CODE

RMN-004