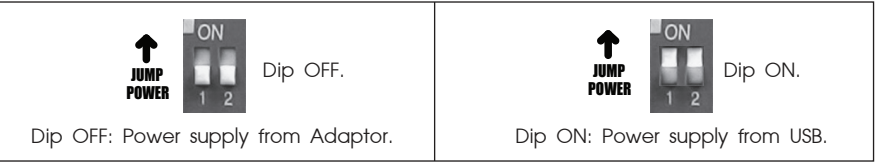




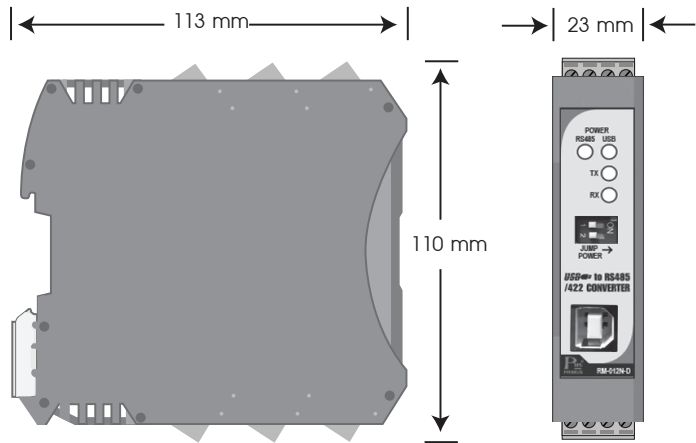
TECHNICAL SPECIFICATION

Model	RM-012N-D	RM-012N-E	RM-012N-1
Power Supply	9-24VAC, 9-30VDC or Supply from USB*	9-24VAC, 9-30VDC	9-24VAC, 9-30VDC
Power consumption	3.5 VA		
Display	USB POWER LED	—	—
	RS-485 POWER LED		
	Tx LED		
	Rx LED		
Input	USB	RS-232	RS-485 or RS-422
Output	RS-485 or RS-422		
	Distance : Maximum 1.2 km.		
Communication	Baud Rate 1,200 to 115,200 bps.	Baud Rate 1,200 to 57,600 bps.	Baud Rate 1,200 to 57,600 bps.
	Support Device Node : 128 Node.		
Ambient operation	Temperature : -10 °C to 60 °C		
	Humidity : <85% RH Non-Condensing		
Ambient storage	Temperature : 0 °C to 80 °C		
	Humidity : <85% RH Non-Condensing		
Protection Degree	IP20		
Installation	Din rail		
Material	ABS-V0		
Size	23 x 113 x 110 mm.		
Weight	100 g.		

* RM-012N-D Select the power supply from USB or adapter using the Dip Switch on the front panel.



DIMENSION & INSTALLATION



DESCRIPTION

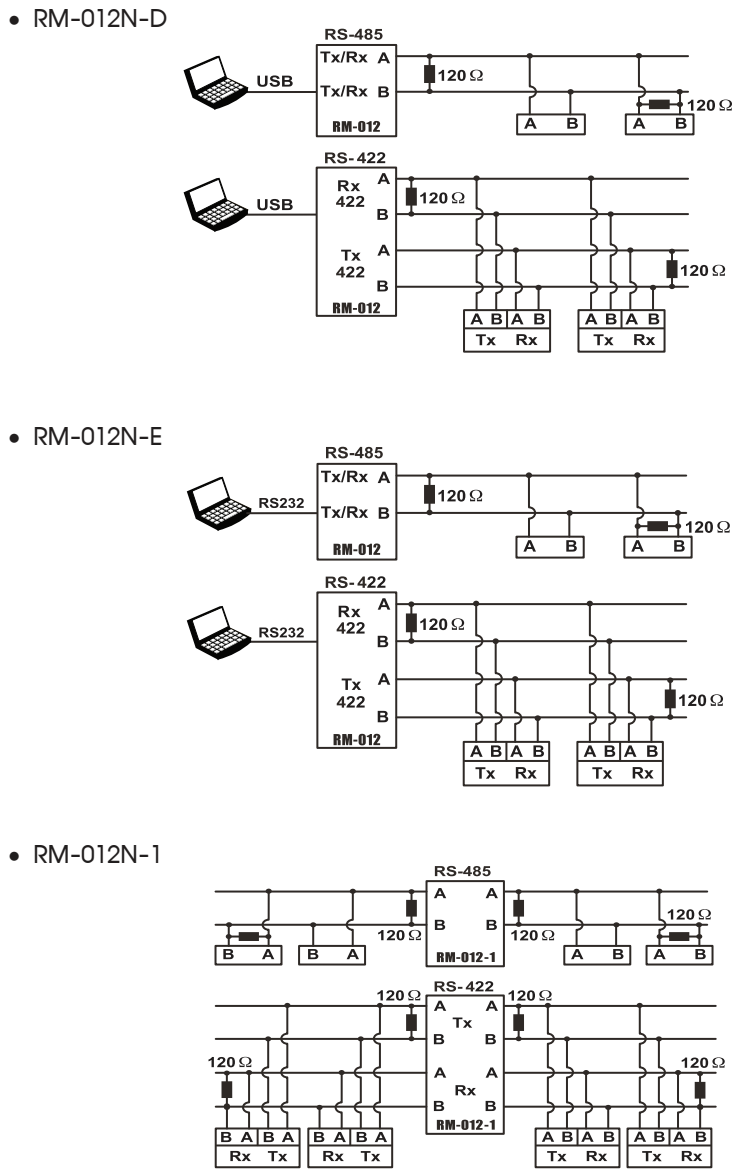
- Converting signal from USB to RS-485/RS-422 (RM-012N-D) device.
- Converting signal from RS-232 to RS-485/RS-422 (RM-012N-E) device.
- Signal Amplifier for RS-485/RS-422 (RM-012N-1).
- Transmitting distance: 1.2 km.
- Auto baud rate: 1,200 to 115,200 bps.
- * Model RM-12-D only, which has a baud rate of 1,200 to 115,200 bps. Model RM-012-E and RM-012-1: baud rate 1,200 to 57,600 bps.
- Model RM-012-E and RM-012-1: baud rate 1,200 to 57,600 bps.
 - RS-485 Power LED: Shows power supply status from RS-485/RS-422.
 - USB Power LED: Shows USB power supply.
 - Tx LED: Shows data transmission status from computer.
 - Rx LED: Shows data reception status from computer.
- Adapter 9 VDC supplies power to RM-012N.
- Able to pair with maximum 128 devices.
- * Model RM-012-D can select the power supply source from USB or adapter via Dip-SW on the front panel of the device.

Operation

Converts signal from USB/RS-232 to RS-485/RS-422 to operate as an intermediary, linking the device with other industrial devices that support RS-485/RS-422, such as PLCs, CNC machines, power meters, etc.

There is an accessory available if the user needs communication over distances greater than 1.2 km. In that case, the user must use the RM-012N-1 (Repeater) as an RS-485/RS-422 signal amplifier.

WIRING DIAGRAM



ORDERING CODE

RM-012N-Model	
Code	Model
D	USB to RS-422/RS-485
E	RS-232 to RS-422/RS-485
1	RS-422/RS-485 Repeater

