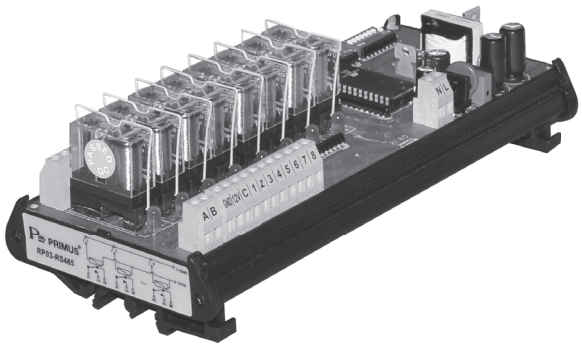
● RELAY MODULE

# RP-03-RS485

## RELAY UNIT INTERFACE



## Description

- RP-03-RS485 Relay Unit Interface is a module designed to connect with PLC outputs or devices equipped with an RS-485 communication port for controlling individual relay contacts.
- Equipped with 8 SPDT relay outputs, rated at 250VAC / 30VDC, 10A.
- Supports RS-485 communication using the Modbus protocol.
- Helps reduce wiring complexity and simplifies circuit modifications.
- Compact design, saving installation space.
- Features LED indicators showing the operating status of each relay.
- Designed for DIN rail mounting.

## Specification

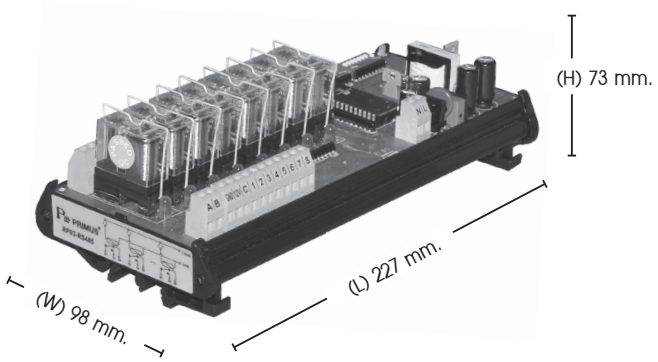
| | | |
|---|---|---|
| Power Supply | | 100-240VAC ±20% 50Hz |
| Power Consumption | | 10VA |
| Input | Contact Switch | 8 Channel |
| | Frequency | 100Hz |
| Output | Contact Relay | 10A 250VAC (SPDT) |
| | Number Output | 8 Output |
| Communi-cation | Protocol | Modbus RTU |
| | Baud Rate | 2400, 4800, 9600, 19200 |
| | Parity | None |
| | Stop Bits | 1 Bits |
| | Data Bits | 8 Bits |
| | Support +Device Node | Max 32 |
| Ambient Operation | Temperature | 0 ˚C to 50 ˚C |
| | Humidity | <75% RH NON-Condensing |
| Ambient Storage | Temperature | 0 ˚C to 50 ˚C |
| | Humidity | <75% RH NON-Condensing |
| Installation | | DIN RAIL |
| Material | | ABS-V0 |
| Size (mm.) | | 98(W) x 227(L) x 73(H) |

## Operation

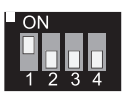
RP-03-RS485 is a relay unit used for connection to PLC outputs or other devices via an RS-485 Modbus Protocol communication port to control each relay contact to NO/OFF as required. It requires minimal installation space and allows easy maintenance, is convenient to relocate, and can be mounted on a DIN rail inside electrical control cabinets or MDBs.

It has LED indicators showing the operating status of each relay, supports wiring with cable size up to 2.5 mm², and can withstand an installation temperature range of 0°C to 50°C.

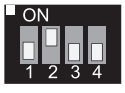
## Dimension



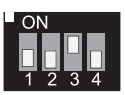

## Setting Baud Rate and Device ID



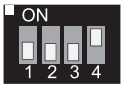
Baud rate = 2400



Baud rate = 4800



Baud rate = 9600



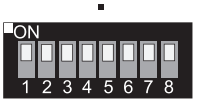
Baud rate = 19200



Address = 1



Address = 2



Address = 255

## Wiring Diagram

