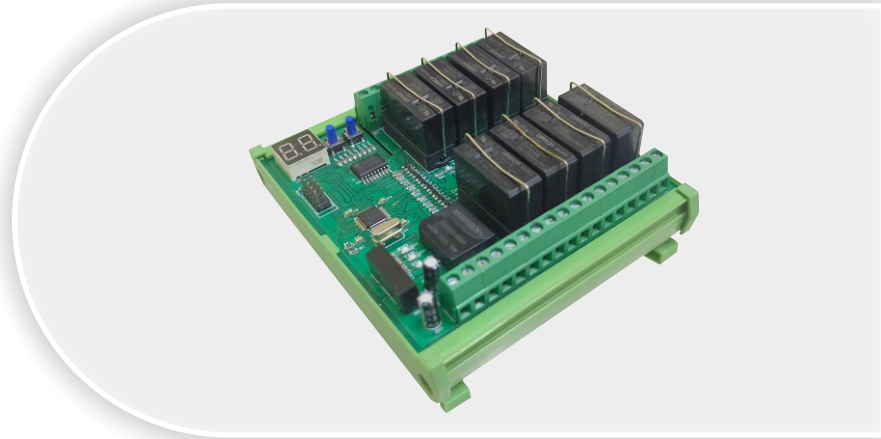**Instrutel**
Technology for OEMs

inos_d008-R
Relay Module

Features
- Compact Din rail Mounting
- Modbus RTU through RS485
- Plug and play Device
- Omron Relay with Base
- Rugged Durability

Display Features
- 2 Digits Multi-Function Display
- MODBUS Setting *(ID, Baud rate & Parity Setting)*
- Outputs Present Status
- LED Indication for Communication

Use Cases
- Process Automation
- Automotive Industry
- Retrofit old machines with new devices
- Building Automation
- Sub-station Automation
- Input to Output Expansion / Integration
- Process Optimization

Specifications

Power
• Operating Voltage	24 VDC
• Power Consumption	Maximum 5 Watt

Relay Outputs
• Outputs	08 Channel Relay Output
• Field signal type	Potential Free Output
• Output Signal Mode	Latch or One pulse (pulse duration 0 mse to 9999mse)
• Type	SPDT 10A Relays

Data Connectivity
• Connectivity Supported	Isolated Rs485
• Protocol Supported	Modbus RTU
• Communication Interface	2-Wire Type
• Baud rate	4800, 9600, 19200, 38400, 56800, 115200
• Parity	Noe, Even & Odd
• Watchdog Timer	System (5 Sec)

Environmental
• Operating Temperature	0 °C to + 70 °C
• Storage Temperature	-40 °C to + 85 °C
• Operating Humidity	0 to 95% (non-condensing)

Pin Mapping
1	NC 1		15	RS485 A
2	NO 1		16	RS485 B
3	COM 1		17	RS485 G
4	NC 2		18	NC 5
5	NO 2		19	NO 5
6	COM 2		20	COM 5
7	NC 3		21	NC 6
8	NO 3		22	NO 6
9	COM 3		23	COM 6
10	NC 4		24	NC 7
11	NO 4		25	NO 7
12	COM 4		26	COM 7
13	DC24V +		27	NC 8
14	DC24V -		28	NO 8
			29	COM 8

Mechanical
• Dimensions (mm)	108.0(L) X 124.0(W) X 60.0(H)
• Enclosure	Polyamide (PA66)
• Weight	150g

Application

Different Type of Digital controllers

RS485

08 Channel Potential Free Output with RS485 converter

08 Channel Potential Free Output are used to send digital signals to devices to control their operation

PLCs