



## MAS-DO-RL Field Interface Board 8/16 Relay Output

Masibus Relay Output Field Interface Board has 08/16 channels Relay output with switching current of 12A @ 250V AC/24V DC. The Relay Board has unique features like Positive/Negative looping.

It is compact, universal DIN rail mounted with labeled input and output connections

### Features

- Relay Module with 8/16 - Channel
- Coil Voltage : 5V DC/12V DC/24V DC/48V DC
- Freewheeling diode across the relay coil for protection
- Jumpers for selection between positive/negative looping
- Available with pluggable relays
- Mounting on DIN carrier rail

### Applications

- Convert open collector to relay Output
- SCADA/DCS/PLC

## TECHNICAL SPECIFICATIONS

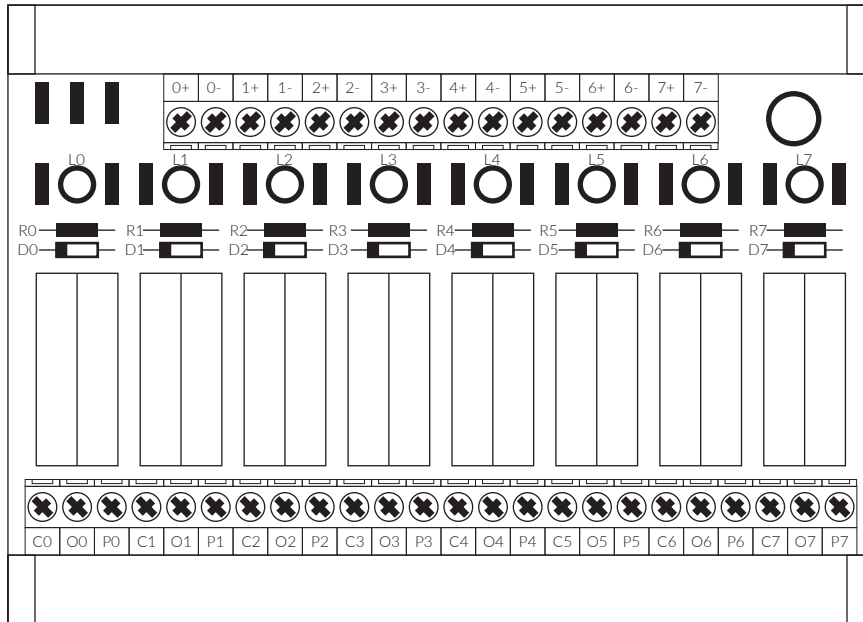
General Data					Isolation	
Relay Make	OMRON G2RL Series				Isolation	1.5 KVAC, 50/60 Hz, 1 min between coil and contact
Input Indication	Orange LED for input status indication					Insulation Resistance
Relay Protection	Freewheeling diode across relay coil					
Positive/Negative Looping	Common, Remove all Jumpers to make relay independent					
Relay Contact data					Physical	
Rated current (resistive load)	12A at 250V AC	12A at 24V DC			Dimensions in mm (L x W x D)	128X90X60 (8 ch.) 252X90X60 (16 ch.)
Maximum Switching Voltage	440V AC, 300V DC				Mounting	DIN Rail
Contact Resistance	100MΩ Maximum				Terminal Block	Screw type PCB Mounted
Relay on time	15m Sec Max				Terminal Cable Size	2.5mm <sup>2</sup>
Relay off time	5m Sec Max				Housing color	Green
Contact Type	1C/O (SPDT)				Weight	8-Ch. Relay Module: 260 gm Approx. 16-Ch. Relay Module: 620 gm Approx.
Insulation resistance	1000MΩ min					
Relay Coil data					Environment	
Rated Coil Voltage	5V DC	12V DC	24V DC	48V DC	Operating Temperature	0 to 55 °C
Coil Resistance (Ohms)	62.5	360	1440	5358	Storage Temperature	0 to 80 °C
Rated Coil current	80	33.30	16.7	8.96	Humidity	30-95% RH (Non-Condensing)
Power Consumption (mW)	400	400	400	400	ROHS Compliant	All components and PCBs are ROHS approved
Must Operate Voltage	75% Max of rated voltage					
Must release Voltage	10% Max of rated voltage					
Maximum Voltage	130% at 85 °C					

# TECHNICAL SPECIFICATIONS

## ORDERING CODE

Model No	No of Channels		Changeover		Voltage	
MAS-DO-RL	XX		XX		XX	
	08	8 channel	1CO	1 Change over	05	5V
	16	16 channel			12	12V
					24	24V
					48	48V

## Layout Diagram



## Connection Diagram

