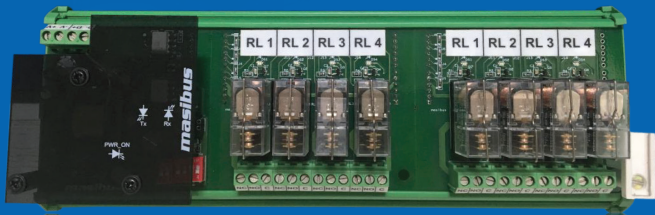


4 Channel Relay FIB



8 Channel Relay FIB

MAS-RS-RL Modbus Relay Field Interface Board

Masibus Modbus Relay Field Interface Board MAS-RS-RL is compact universal DIN rail mount with RS485 communication. It is available in 4 or 8 channel option. Output can be expanded up to 31 expansion modules per controller. Slave ID selection can be done using DIP switch.

Applications

- Field interface for PLC/DCS/SCADA system

TECHNICAL SPECIFICATIONS

Output		Power Supply	
No. Of Output	8 / 4	Power Supply	24VDC ±10%
Output Type	Relay	Power Consumption	< 9VA
Relay Type	SPDT, Plug-in type	Red LED Indication	POWER ON, Rx, Tx, Relay Status
Relay Rating	10A at 250VAC (Max. power 2500VA) 10A at 30VDC (Max. power 300W)	Isolation	1.5KV AC Between Primary Terminals ** and Secondary Terminals ***
Relay Coil Rating	24V DC	**Primary terminals indicate power terminals and relay output terminals. ***Secondary terminals indicate communication O/P.	
Inductive Load	7.5A at 250VAC (Max. power 1875VA) 5A at 30VDC (Max. power 150W)	Physical	
Max. Switching Voltage	380VAC/125VDC	Dimensions in mm	a) For 8 channel: 246 (L) x 90 (W) x 70 (D) b) For 4 channel: 158 (L) x 90 (W) x 70 (D)
Relay On Time	15m Sec.	Mounting	DIN Rail (35mm)
Relay Off Time	20m Sec.	Profile Material	PVC Green
Life Expectancy	1,00,000 Operations Min	Terminal Block	Screw type PCB Terminal Block
Communication		Terminal Cable Size	2.5mm ²
Interface	Rs485 (2 Wire)	Weight	Approx. 450 gm
Protocol	Modbus-RTU	Environment	
Baud rate	4800, 9600, 19200, 38400 bps	Operating Temperature	0 to 50 °C
Slave ID	1 to 31 (Selection using DIP switch)	Humidity	30 to 95% RH non-condensing
		Environmental Protection	Conformal Coating on PCB

TECHNICAL SPECIFICATIONS

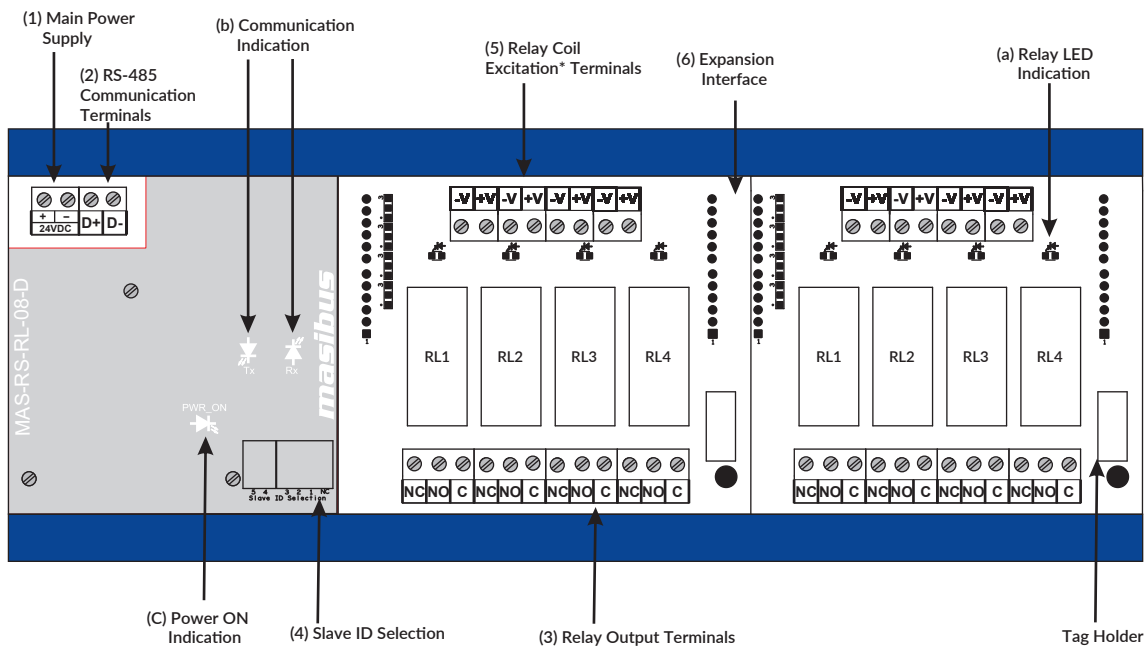
Modbus Address Table

Type	Access Type	Absolute Address (Coil Status)	Description 0_ Output OFF 1_ Output ON
Bit	R + W	0001	RL1
Bit	R + W	0002	RL2
Bit	R + W	0003	RL3
Bit	R + W	0004	RL4
Bit	R + W	0005	RL5
Bit	R + W	0006	RL6
Bit	R + W	0007	RL7
Bit	R + W	0008	RL8
Byte (1:8)	R + W	0001	RL1 to RL8

Ordering Code

Model	No. of Relays	
MAS-RS-RL	XX	D
	04	
	08	

Connection Details



S.No	Details
1	Main power supply terminal 24V+, 24V-
2	RS-485 communication terminals D+, D-
3	Relay output terminals NC, NO, C
4	DIP switch for selection of slave ID
5	Relay coil excitation terminals*
6	Expansion interface

*If Relay is being operated standalone than use 24V connection for relay excitation