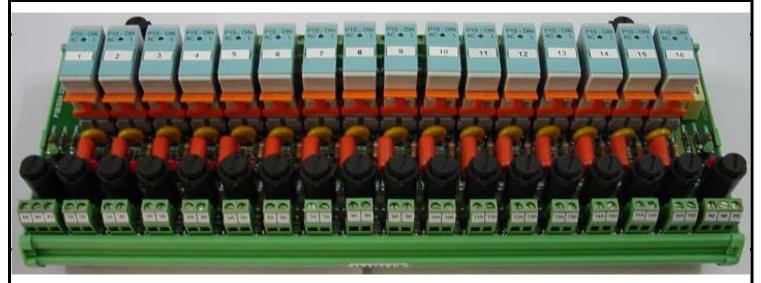
## Paramount Relay Interface Module



## Series PI16ISBA110VAC<sub>(9D)</sub>

# 16 Channel Input Relay Board



These Relay modules provide a compact, reliable & cost effective means of providing an isolation and safety barrier between the field equipment and the PLC	Contents	Page
The coil of each relay is activated by the PLC and the contacts of the relays connect to the field, providing increased load switching capability with fuse protection and easy configuration	Input relay module	: 2
	Relay & Socket features	: 3
The In put relay interface module has fuses for each channel, fuses for field supply and logic supply. LED Indication is provided for both field supply and logic supply.		
	Circuit Diagram	: 4
The Relays from Releco have a label on the top of the relay to indicate the channel / relay number and have 4.75 mm blade type Industrial Pins for Industrial		
Plug In application	PCB Layout	: 6



### Series: PI16ISBA110VAC(9D)

Input Relay Module Specification								
Model	No. of Channel Supply	No. of field supply	No. of Logic supply	•	Dimension L x W x D in mm	Field Fuse Rating	Logic Fuse Rating	Channel Fuse Rating
PI16ISBA110VAC <sub>(9D)</sub>	16	2	2		282 x 85 x 125	3.15 A Slow Blow	1 A Fast Blow	1 A Fast Blow

#### **Component Specifications / Other details**

1 Fuse Holders PCB Mountable Vertical Fuse Holder (5x20 fuses)

2 Fuses 5 x 20 mm Fuses Glass Cartridge

Field Supply : 3.15 Amps Slow Blow Logic Supply : 1 Amps Fast Blow Channel Supply : 1 Amps Fast Blow

3 Extrusion Make : Phoenix Contact 4 Terminal Blocks Make : Phoenix Contact

5 Logic Supply : 24 VDC

LED Indicator present to indicate the presence of the Logic Supply.

Fuse available for the Logic Supply

6 Field Supply : 24 VDC / 220 VAC

LED Indicator present to indicate the presence of Field Supply.

Fuse available for the Field Supply

7 Fuses are available for each channel



### Series: PI16ISBA110VAC (9D)

Relay Specifications				
1	Make	:	PARAMOUNT	
2	Part No.	:	P1S - DIN	
3	Contact Configuration	:	1 N/O	
4	Contact Rating	:	100mA @ 32VDC Max.	
	Input Parameters			
5	Input Current	:	5 m Amps Max. @ 220V AC	
6	Maximum Input Voltage	:	250 V AC Max.	
7	Switch ON Voltage Range	:	170 - 180VAC	
8	Must Operating Voltage	:	180 VAC	
9	Must Switch OFF Voltage	:	165 VAC	
	Output Parameters			
1	Max. Output Current	:	100 mA DC	
11	Max. Output Voltage	:	32 VDC	
12	Max. Leakage Current	:	100 micro Amps	
13	Max. Voltage Drop	:	1.5 VDC	
	Specifications			
14	Isolation between Input / Output	:	4 KV / 1 Min.	
15	Operate Time @ Rated Voltage	:	5 msecs Max.	
16	Release Time @ Rated Voltage	:	6 msecs Max.	
17	Working Temperature Max.	:	60° C	
18	Storage Temperature	:	- 40° C to + 85° C	
19	Weight	:	28 grms Max.	
20	Dimension (LxWxH)	:	28.9 x 13 x 36.1 mm	

#### **Relay Features**

1 Industrial 4.75mm Faston terminals2 Marking Lable (to indicate relay number etc...)

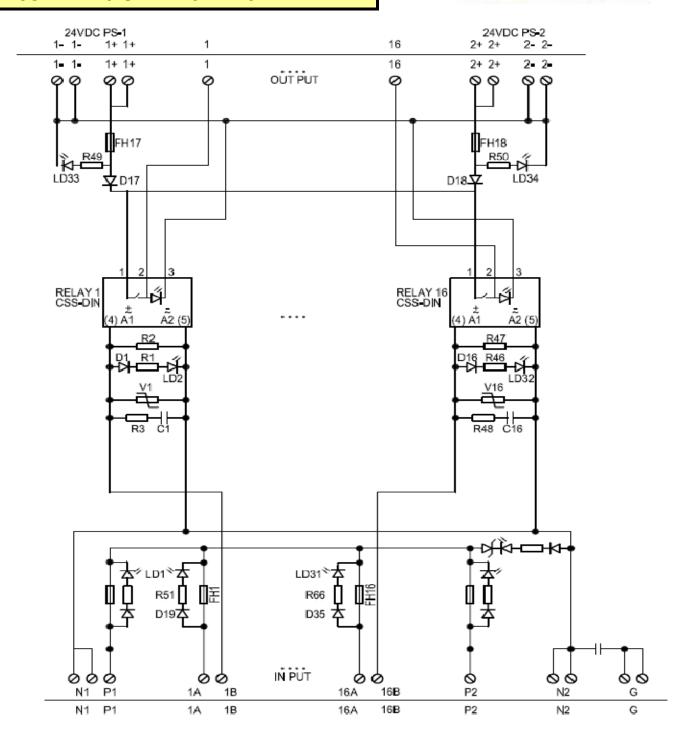
#### **Socket Specifications**

1	Make	:	RELECO - PARAMOUNT
2	Part No.	:	S10P
3	Nominal Load	:	10 Amps @ 250VAC
4	Maximum Switching Voltage	:	400 volts
5	Di-Electric Strength	:	5 KV
6	Terminals	:	Hard Brass Tin Plated
7	Retainer clip	:	Integrated hold down type
8	Dimensions (length x breadth x height)	:	$31.0 \times 14.8 \times 5.20 + 13.4$ mm (pin+body height)
9	Touch protected	:	Yes
10	Weight	:	8 gms

# **PARAMOUNT**

#### EXPECT MORE...

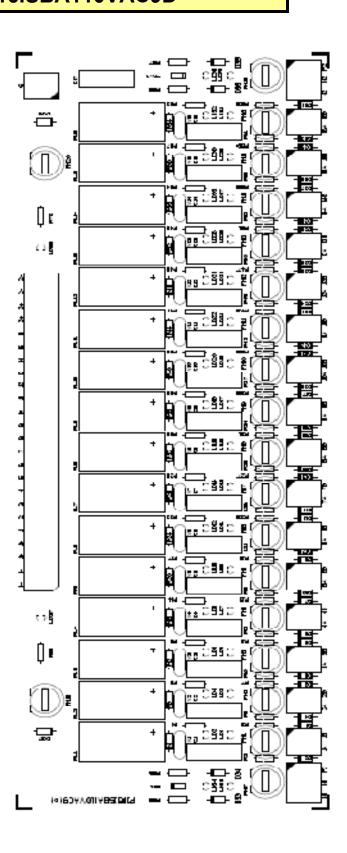
#### Series: PI16ISBA110VAC9D



- 1) FIELD TO ACT LIKE SWITCH
  - CONNECT TERMINALS 1A & 1B TO FIELD SWITCH.
- 2) FIELD TO SUPPLY PHASE AND NEUTRAL CONNECT THE PHASE FROM THE FIELD SWITCH TO 1B
- 1) FIELD TO ACT LIKE SWITCH
- CONNECT TERMINALS 16A & 16B TO FIELD SWITCH.
- 2) FIELD TO SUPPLY PHASE
- CONNECT. THE PHASE FROM THE FEILD SWITCH TO 16B

### Series: PI16ISBA110VAC9D





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