PARAMOUNT
EXPECT MORE...

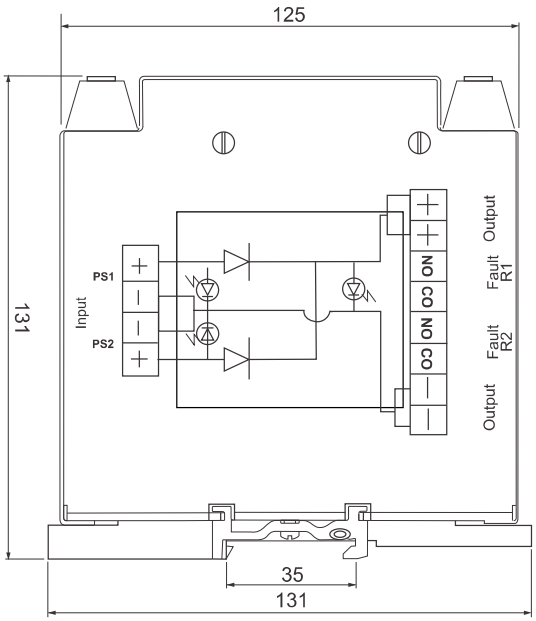
OR-ING DIODE UNIT

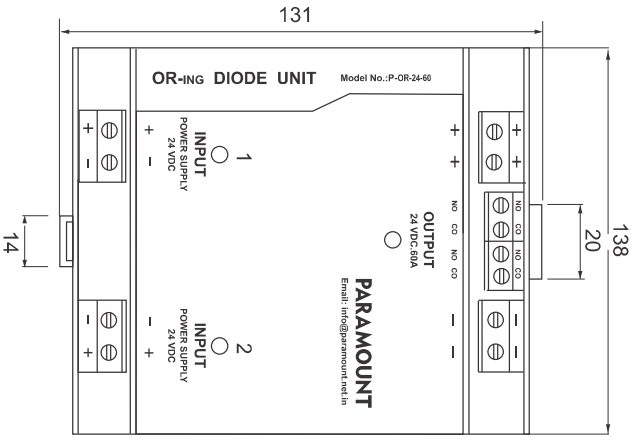
Model No.:P-0R-24-60
Model No.:P-0R-24-70
Model No.:P-0R-48-60
Model No.:P-0R-48-70
Model No.:P-0R-220-40A

General Information

The OR-ing unit combines two or more power sources to create redundant power source preserving the output power supply in case one of the input source fails. In this situation of input power failure, the next power supply feeds the power quickly to prevent the system bus voltage from failing & bus collapse.1 N/C relay contacts brought out for the each power supply failure alarm.

Dimensions in mm.





Specifications

Input
- 220V DC supply -2nos (standard)
- 48V DC supply -2nos (standard)

Output current

Model No.	Current Rating	Voltage
P-0R-24-60	60Amps	24VDC
P-0R-24-70	70Amps	24VDC
P-0R-48-60	60Amps	48VDC
P-0R-48-70	70Amps	48VDC
P-0R-220-40	40Amps	220VDC

Overload - 10% max.

Drop - 0.65 volts max DC at 60A
0.70 volts max DC at 70A

Di-Electric strength - 1KV AC
(between Input / Output to body)

Insulation resistance - 100 Mega Ohm @ 500 VDC min.
(between Input / Output to body)

Working Temperature - 55^{0}C Ambient max.

Indicators

Input power supply 1 green LED for each Power Supply

Output power supply 1 green LED for output

output 1N/C Relay Contact
Rated 5Amps @ 24VDC/230VAC
incase of failure of any one the input power supply.

Conductor cross section - 16 mm^2 solid
10 mm^2 stranded
AWG 6

Dimension (LxBxH)mm - 131 x 138 x 131

Mounting - 35mm DIN Rail

Weight - 2.7Kg.Approx

Custom built OR ing units can be designed and built to suit the special requirements.

Approvals