



# OR-ING DIODE UNIT

**Model No.:P-OR-110-20**

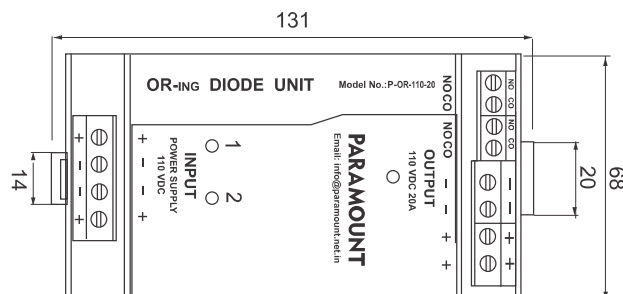
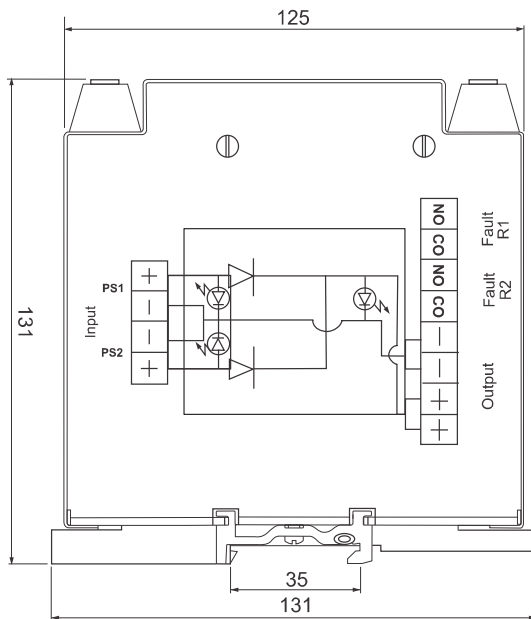
**Model No.:P-OR-220-20**

## 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

- 110V DC supply -2nos (standard)
- 220V DC supply -2nos (standard)

### Output current

Model No.	Current Rating	Voltage
P-OR-110-20	20 Amps	110VDC
P-OR-220-20	20 Amps	220VDC

### Overload

-10%max.

### Drop

-0.65 volts max DC at 20A

### 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°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<sup>2</sup> solid  
10 mm<sup>2</sup> stranded  
AWG 6

### Dimension (LxBxH)mm

- 131 x 68 x 131

### Mounting

- 35mm DIN Rail

### Weight

- 1.4Kg.Approx

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

## Approvals