

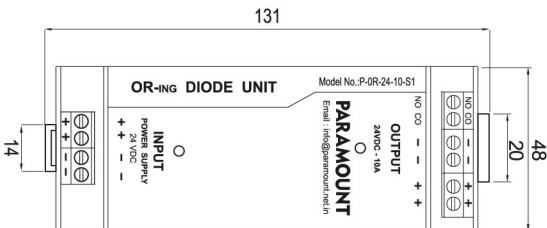
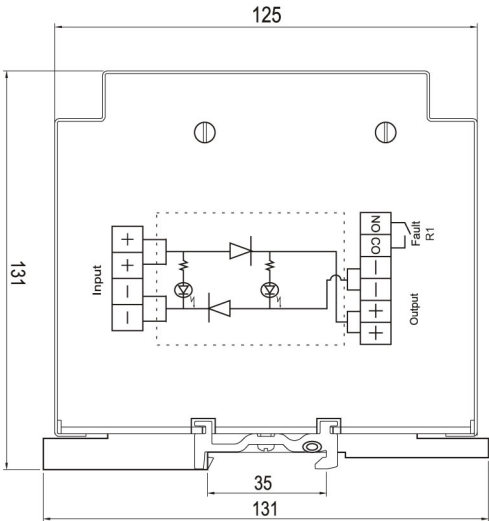
## OR-ING DIODE UNIT

Model No.: P-0R-24-05-S1

Model No.: P-0R-24-10-S1



### DIMENSIONS



### GENERAL INFORMATION

The OR-ING unit comprises of power supply isolating diodes in positive and negative supply lines of the input power supply. For redundancy in the power supply to the control unit the output of two or more such units are connected in parallel. In the situation where input to one of the Oring unit power supply fails, the next power supply connected will feed the power quickly to prevent the system bus voltage from failing and bus collapse. 1N/C relay contact is brought out from each oring unit for supply failure alarm.

### SPECIFICATION

- Input -** 24V DC supply - 2nos. (Standard)
- Output Current -**

Model No.	Current Rating	Voltage
P-0R-24-05-S1	5 Amps	24 VDC
P-0R-24-10-S1	10 Amps	24 VDC
- Overload -** 10% Max.
- Drop -** 0.65 volts max DC at 5A / 10A
- 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  
in case of failure of the input power supply.
- Conductor Cross Section -** 0.20 - 2.5 mm<sup>2</sup> solid  
0.20 - 2.5 mm<sup>2</sup> stranded  
AWG 24 - 12
- Dimension (LxBxH)mm -** 131x48x131
- Mounting -** 35mm DIN Rail
- Weight -** 0.5 Kg. Approx.

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