



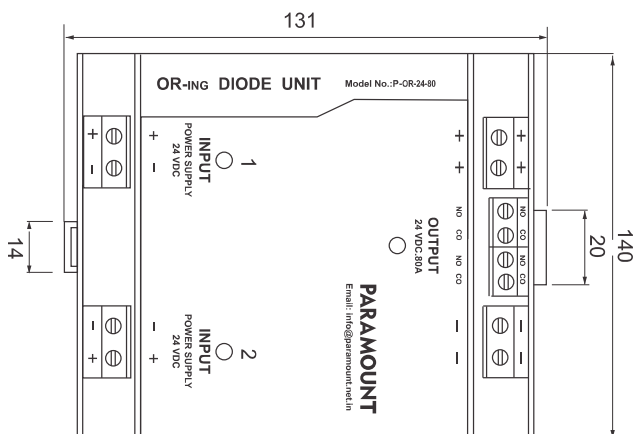
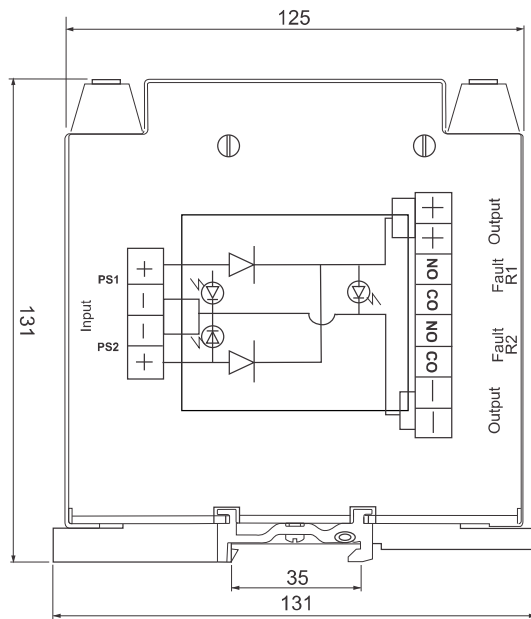
## OR-ING DIODE UNIT

**Model No.: P-OR-24-80**

### 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 sources fails. In this situation of input power failure, the next power supply feeds the power quickly to prevent the system bus voltage from failing and bus collapse. The power supply failure signal is given by relay N/C contact

### Dimensions in mm.



### Specifications

**Input** - 24VDC supply -2no's (standard)

| Output current | Model No.  | Current Rating | Voltage |
|----------------|------------|----------------|---------|
|                | P-OR-24-80 | 80 Amps        | 24VDC   |

**Overload Drop** -10%max.  
-1.2 volts max DC at 80A

**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 5A @ 24VDC & 5A @ 230VAC in case of failure of any one of the Input power supply

**Conductor cross section** - 0.2-4.0<sup>2</sup>mm solid  
 0.2-2.5<sup>2</sup>solid  
 AWG 24-12

**Dimension (LxBxH) in mm-** 131 x 140x 131mm approximate

**Mounting** -35 mm DIN Rail

**Weight**

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

### Approvals