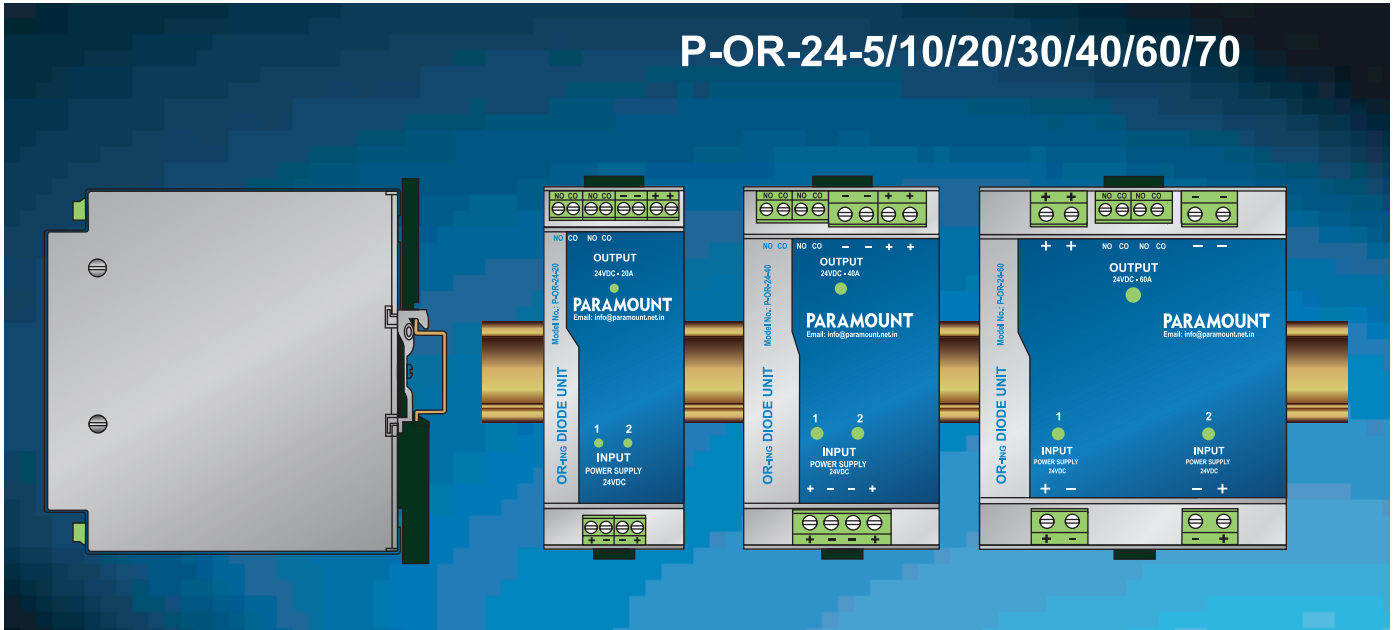
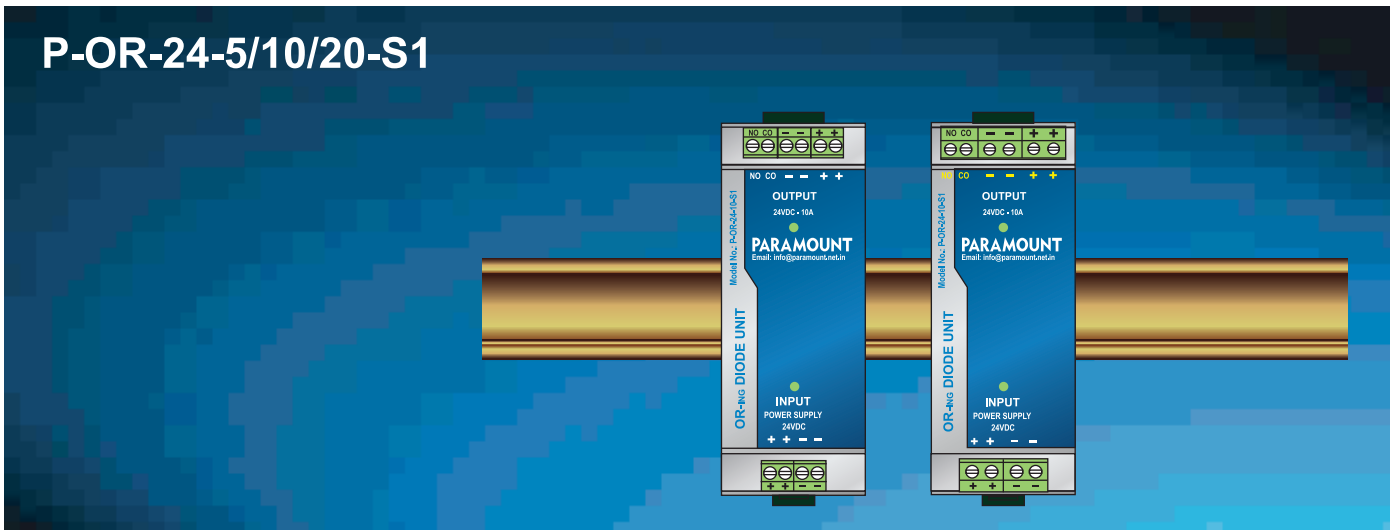


## OR-ING DIODE UNIT

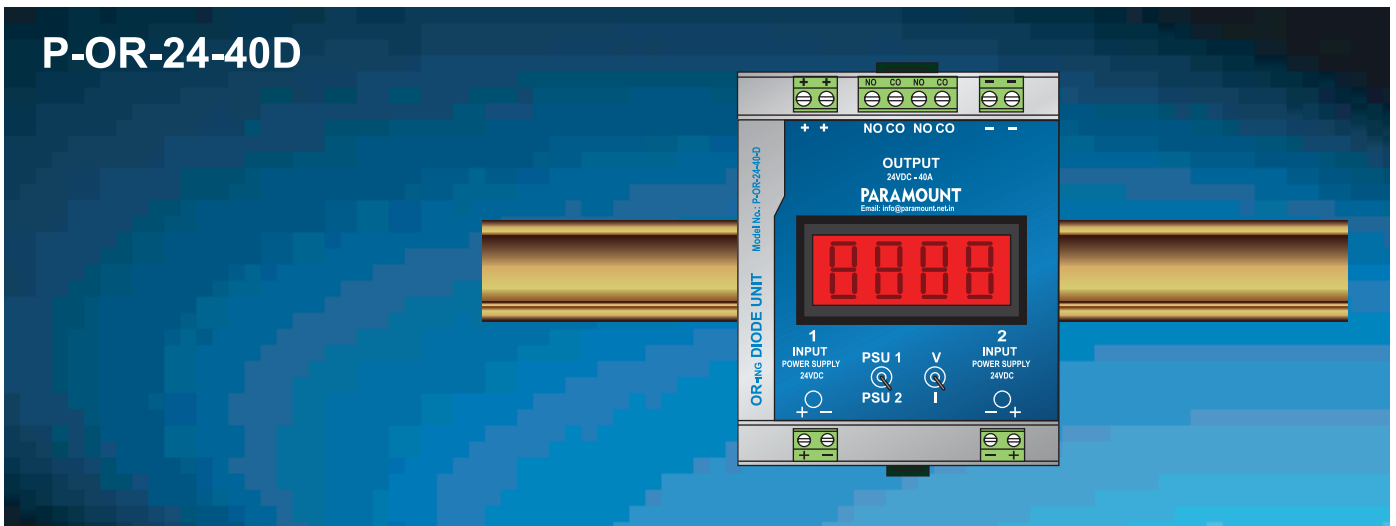
### P-OR-24-5/10/20/30/40/60/70



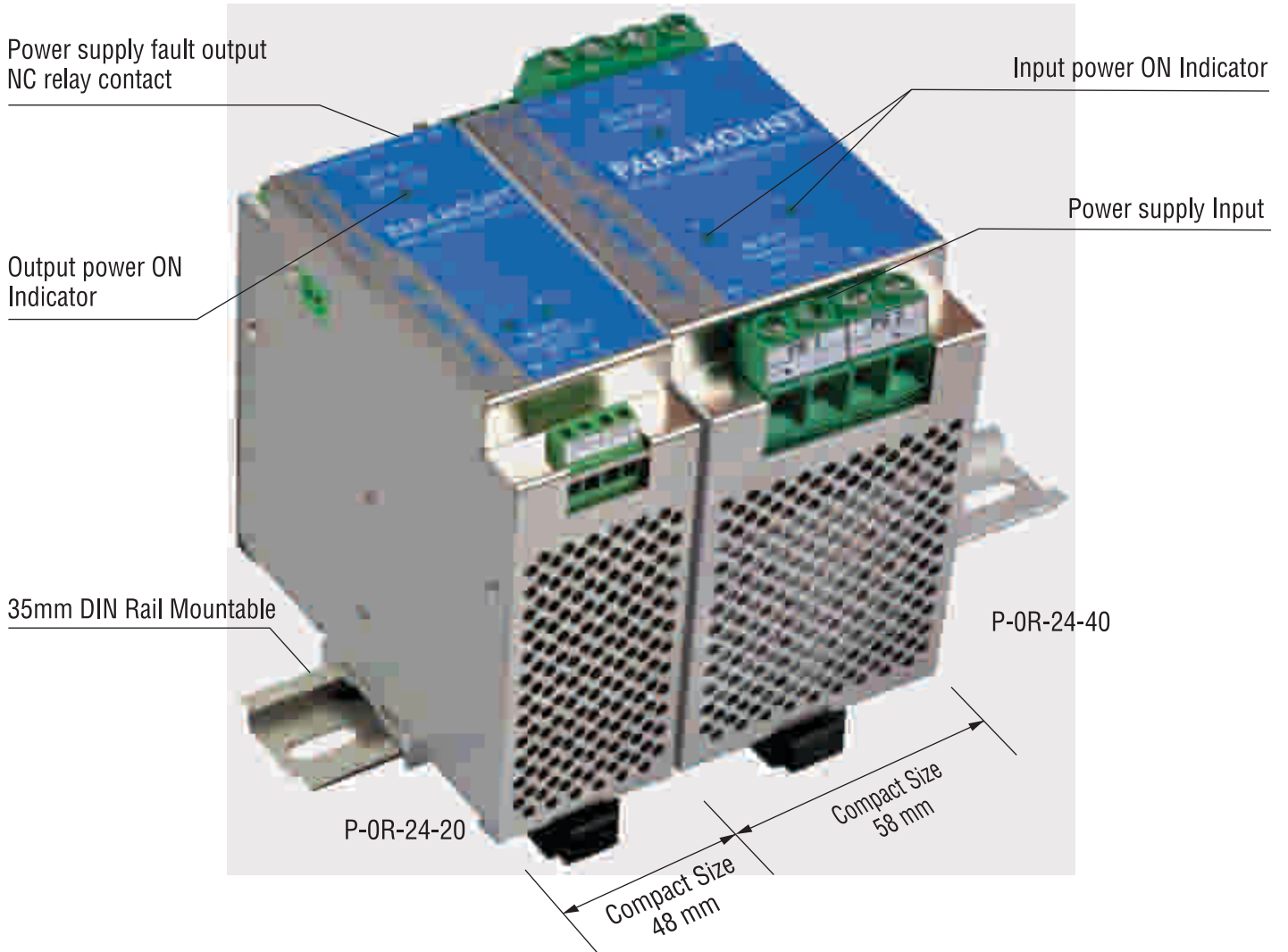
### P-OR-24-5/10/20-S1



### P-OR-24-40D



# OR-ING DIODE UNIT







## OR-ING DIODE UNIT

MODEL No. : P-OR-12-05

MODEL No. : P-OR-24-05

MODEL No. : P-OR-30-05

MODEL No. : P-OR-48-05

### 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

### SPECIFICATION

**Input** : 12 VDC Supply - 2nos. (standard)  
24 VDC Supply - 2nos. (standard)  
30 VDC Supply - 2nos. (standard)  
48 VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-12-05	05 Amps	12 VDC
	P-OR-24-05	05 Amps	24 VDC
	P-OR-30-05	05 Amps	30 VDC
	P-OR-48-05	05 Amps	48 VDC

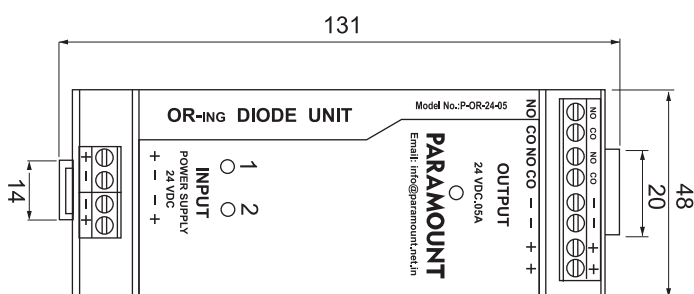
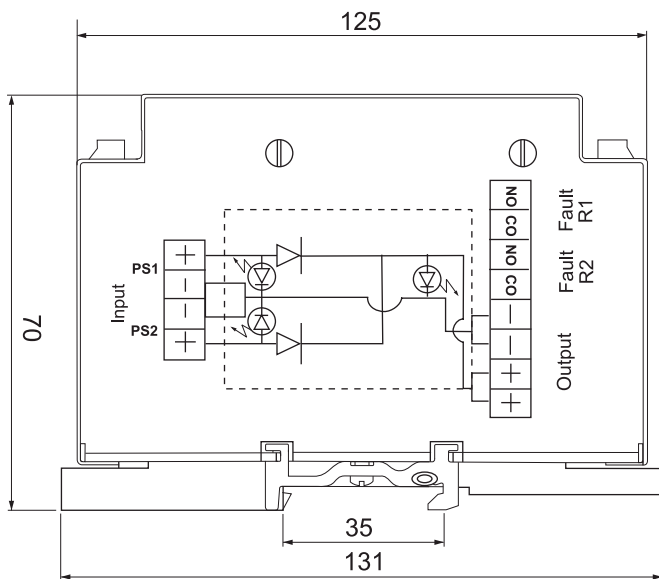
**Overload** : 10% Max  
**Drop** : 0.65 volts max DC at 5A  
**Di-Electric Strength** : 1.5 KVAC  
 (between Input / Output to body)  
**Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
 (between Input / Output to body)  
**Working Temperature** : 55°C Ambient Max.  
**Indicators**  
**Input Power supply** : 1 Green LED for each power supply  
**Output Power supply** : 1 Green LED for Output  
**Output** : 1 N/C Relay Contact  
 Rated 5Amps @ 24VDC / 230VAC  
 in case of failure of any one of the  
 Input power supply  
**Conductor Cross** : 0.20 - 4.0 mm<sup>2</sup> solid  
**Section** : 0.20 - 2.5 mm<sup>2</sup> Stranded  
 AWG - 24-12  
**Dimension** : 131 x 48 x 70 (L x B x H) in mm  
**Mounting** : 35 mm Din RAIL  
**Weight** : 0.5 Kgs. Approx

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

### Approvals



### Dimensions in mm

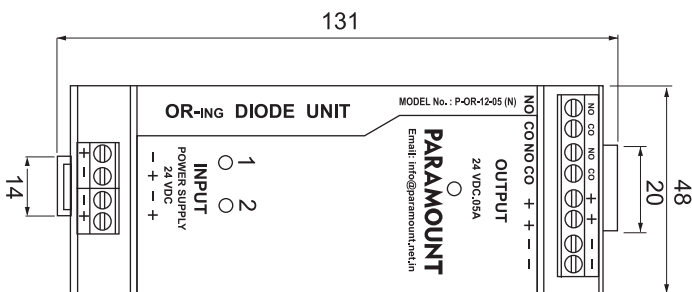
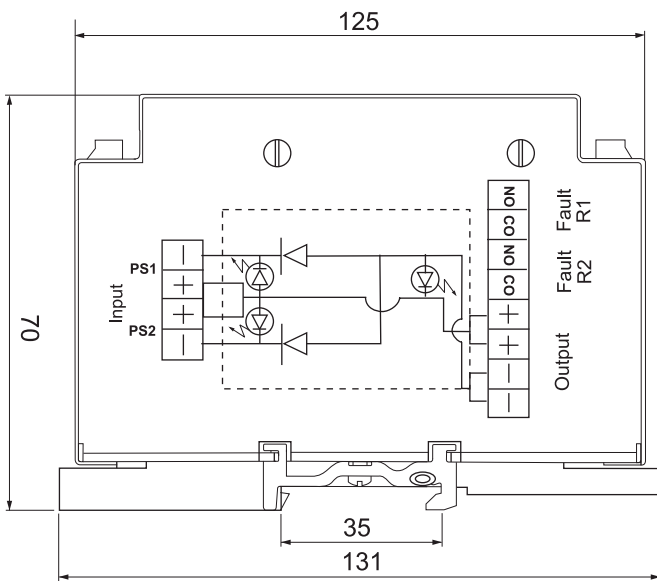




# OR-ING DIODE UNIT

MODEL No. : P-OR-12-05 (N)

## Dimensions in mm



## 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

## SPECIFICATION

**Input** : 12 VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-12-05 (N)	05 Amps	12 VDC

- Overload** : 10% Max
- Drop** : 0.65 volts max DC at 5A
- Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)
- Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one of the  
Input power supply
- Conductor Cross Section** : 0.20 - 4.0 mm<sup>2</sup> **solid**  
0.20 - 2.5 mm<sup>2</sup> **Stranded**  
AWG - 24-12
- Dimension** : 131 x 48 x 70 (L x B x H) in mm
- Mounting** : 35 mm Din RAIL
- Weight** : 0.5 Kgs. Approx

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

## Approvals





## OR-ING DIODE UNIT

Model No. : P-OR-5-10  
 Model No. : P-OR-12-10  
 Model No. : P-OR-24-10  
 Model No. : P-OR-30-10  
 Model No. : P-OR-48-10

### 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

### SPECIFICATION

**Input** : 5VDC supply - 2 nos. (Standard)  
 12VDC supply - 2 nos. (Standard)  
 24VDC supply - 2 nos. (Standard)  
 30VDC supply - 2 nos. (Standard)  
 48VDC supply - 2 nos. (Standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-5-10	10 Amps	5 VDC
	P-OR-12-10	10 Amps	12 VDC
	P-OR-24-10	10 Amps	24 VDC
	P-OR-30-10	10 Amps	30 VDC
	P-OR-48-10	10 Amps	48 VDC

**Overload** : 10% Max  
**Drop** : 0.65 volts max DC at 10A  
**Di-Electric Strength** : 1.5 KVAC  
 (between Input / Output to body)  
**Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
 Rated 5Amps @ 24VDC / 230VAC  
 in case of failure of any one of the Relay contact is closed as long as input power supply is connected & healthy & open up power supply if failure occurs  
**Conductor Cross** : 0.20 - 4.0 mm<sup>2</sup> solid  
**Section** : 0.20 - 2.5 mm<sup>2</sup> Stranded  
 AWG - 24-12  
**Dimension** : 131 x 48 x 70 (L x B x H) in mm  
**Mounting** : 35 mm Din RAIL  
**Weight** : 0.5 Kgs. Approx

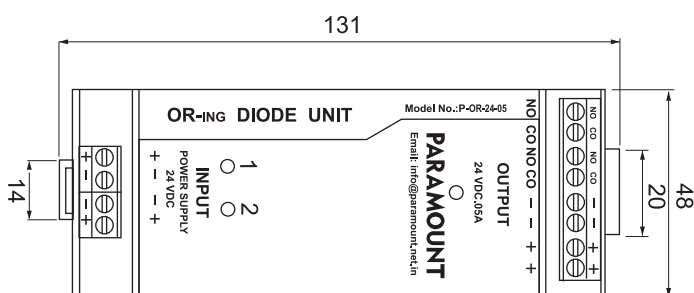
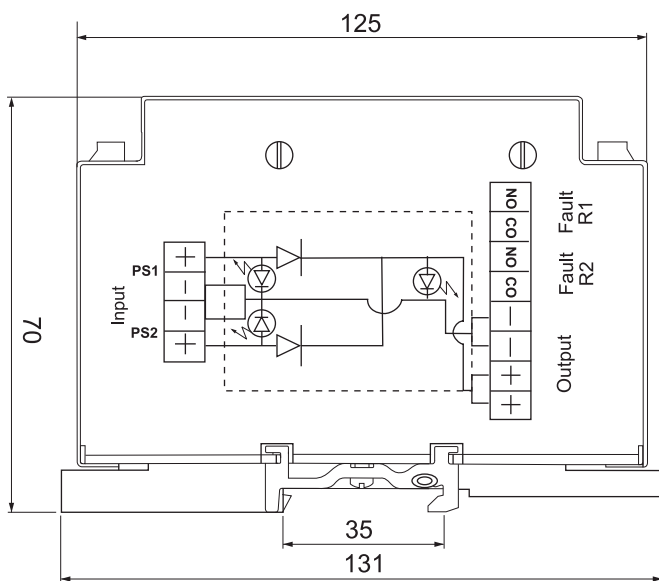
- Custom built OR ing units can be designed and built to suit the special requirements.

### Approvals



### Dimensions

in mm





## OR-ING DIODE UNIT

Model No. : P-OR-110-10

Model No. : P-OR-125-10

Model No. : P-OR-220-10

### 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

### SPECIFICATION

**Input** : 110VDC supply - 2 nos. (Standard)  
125VDC supply - 2 nos. (Standard)  
220VDC supply - 2 nos. (Standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-110-10	10 Amps	10 VDC
	P-OR-125-10	10 Amps	125 VDC
	P-OR-220-10	10 Amps	220 VDC

**Overload** : 10% Max  
**Drop** : 1.0 volts max DC at 10A  
**Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one of the Relay contact is closed as long as input power supply is connected & healthy & open up power supply if failure occurs

**Conductor Cross** : 0.20 - 4.0 mm<sup>2</sup> solid

**Section** : 0.20 - 2.5 mm<sup>2</sup> Stranded  
AWG - 24-12

**Dimension** : 131 x 48 x 70 (L x B x H) in mm

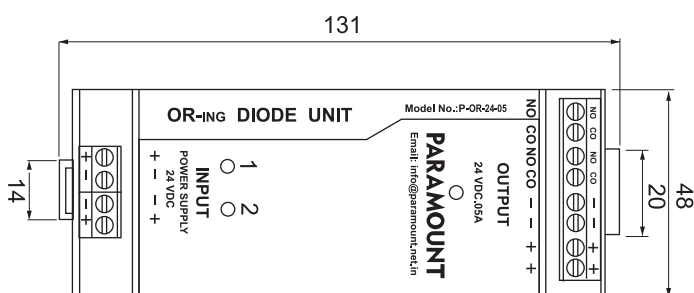
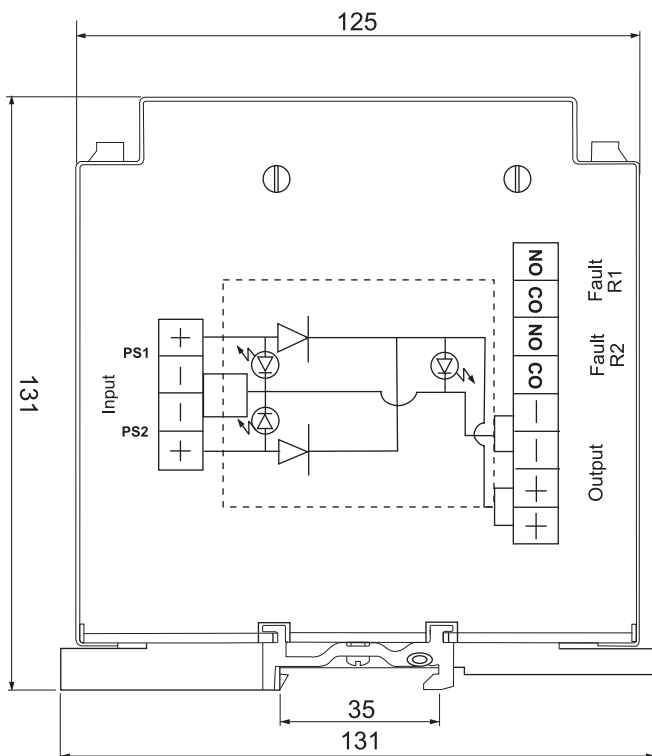
**Mounting** : 35 mm Din RAIL

**Weight** : 0.5 Kgs. Approx

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

### Dimensions

in mm





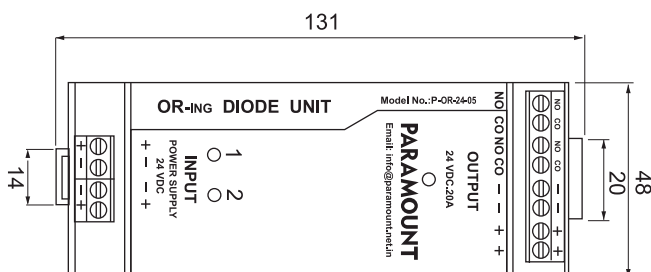
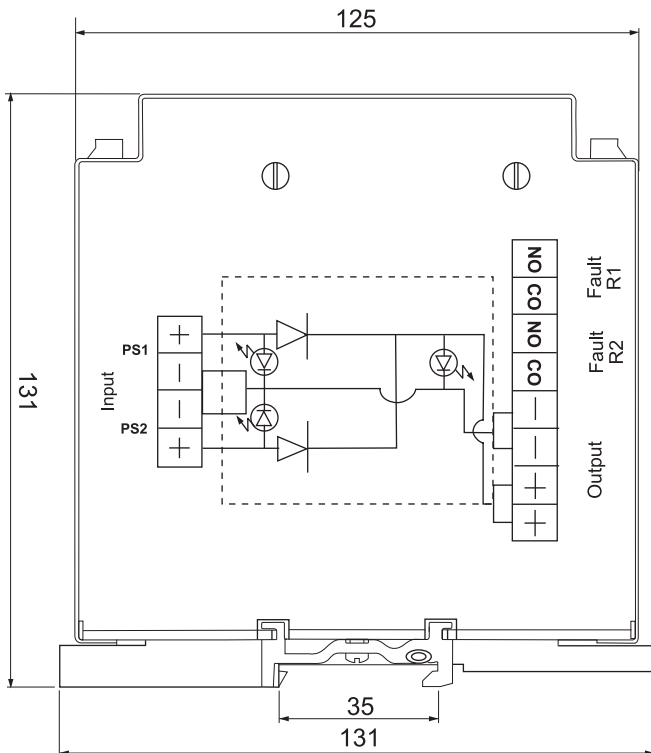
## OR-ING DIODE UNIT

Model No. : P-OR-12-20

Model No. : P-OR-24-20

Model No. : P-OR-48-20

### Dimensions in mm



### 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

### SPECIFICATION

**Input** : 12VDC Supply - 2nos. (standard)  
24VDC Supply - 2nos. (standard)  
48VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-12-20	20 Amps	12 VDC
	P-OR-24-20	20 Amps	24 VDC
	P-OR-48-20	20 Amps	48 VDC

**Overload** : 10% Max  
**Drop** : 0.65 volts max DC at 20A  
**Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)  
**Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one of the Input power supply

**Conductor Cross Section** : 0.20 - 4.0 mm<sup>2</sup> solid  
0.20 - 2.5 mm<sup>2</sup> Stranded  
AWG - 24-12  
**Dimension** : 131 x 48 x 131 (L x B x H) in mm  
**Mounting** : 35 mm Din RAIL  
**Weight** : 1.2 Kgs. Approx

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

### Approvals

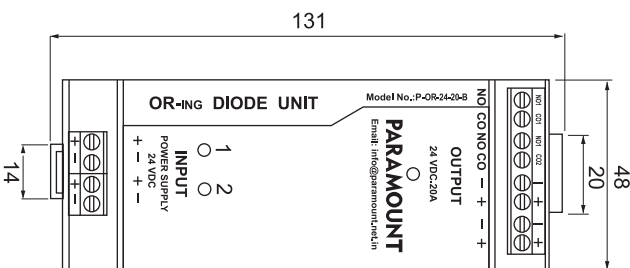
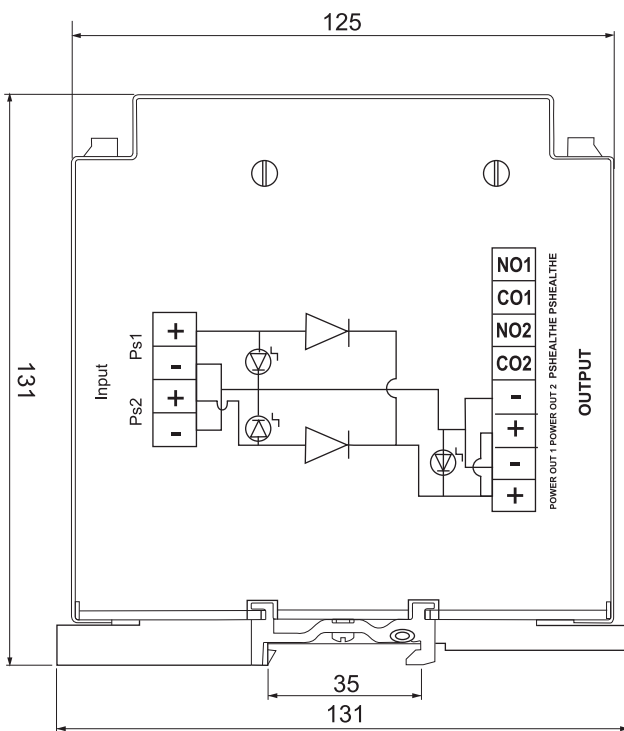




# OR-ING DIODE UNIT

Model No. : P-OR-24-20-B

## Dimensions in mm



## 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

## SPECIFICATION

**Input** : 24VDC Supply - 2nos. (standard)

Model No.	Current Rating	Voltage
P-OR-24-20-B	20 Amps	24 VDC

**Overload** : 10% Max

**Drop** : 0.65 volts max DC at 20A

**Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC @ 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 0.2 - 4.0 mm<sup>2</sup> **solid**

**Section** : 0.2 - 2.5 mm<sup>2</sup> **Stranded**  
AWG - 24-12

**Dimension** : 131 x 48 x 131 (L x B x H) in mm

**Mounting** : 35 mm Din RAIL

**Weight** : 1.2 Kgs. Approx

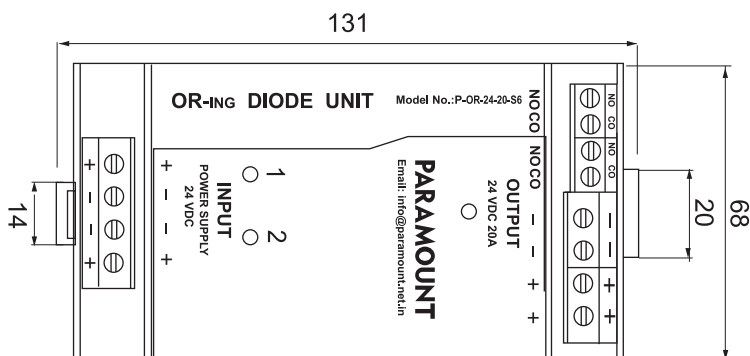
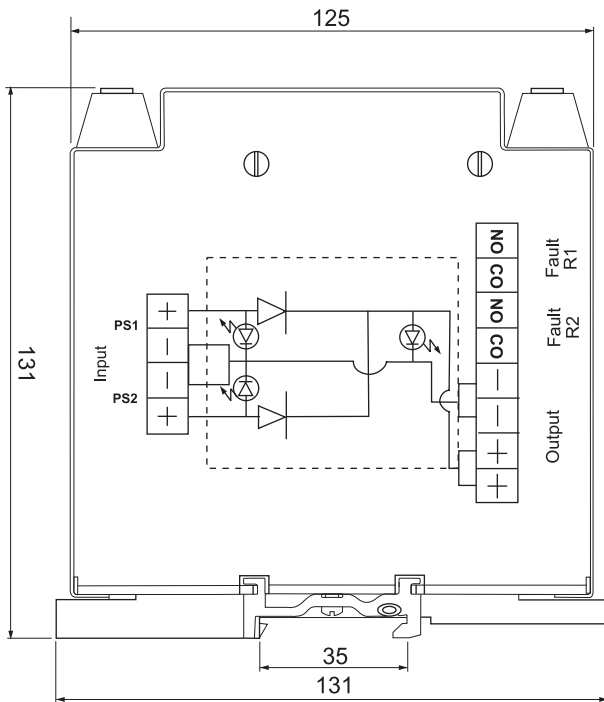
- Custom built OR ing units can be designed and built to suit the special requirements.



# OR-ING DIODE UNIT

Model No. : P-OR-24-20-S6

## Dimensions in mm



## 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

## SPECIFICATION

**Input** : 24VDC Supply - 2nos. (standard)

<b>Output Current</b>	:	<b>Model No.</b>	<b>Current Rating</b>	<b>Voltage</b>
		P-OR-24-20-S6	20 Amps	24 VDC

**Overload** : 10% Max

**Drop** : 0.65 volts max DC at 20A

**Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC @ 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 16 mm<sup>2</sup> **solid**

**Section** : 16 mm<sup>2</sup> **Stranded**  
AWG - 6

**Dimension** : 131 x 68 x 131 (L x B x H) in mm

**Mounting** : 35 mm Din RAIL

**Weight** : 1.4 Kgs. Approx

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



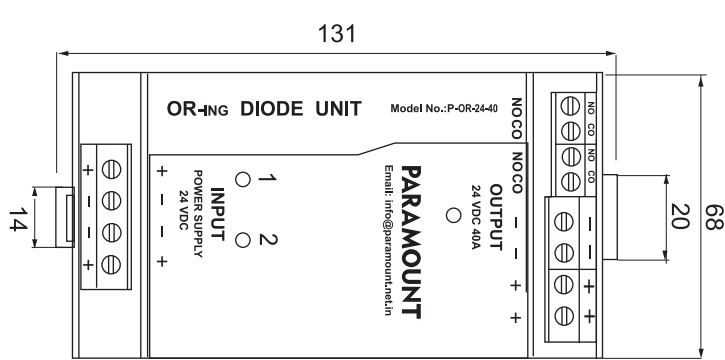
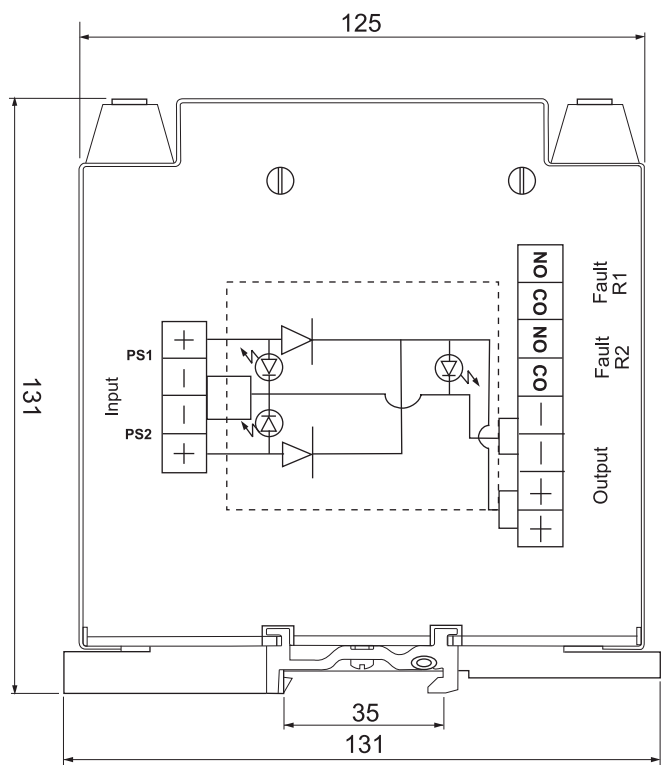


# OR-ING DIODE UNIT

Model No. : P-OR-24-30

Model No. : P-OR-48-30

## Dimensions in mm



## 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

## SPECIFICATION

- Input** : 24VDC Supply - 2nos. (standard)  
48VDC Supply - 2nos. (standard)
- Output Current** : 

Model No.	Current Rating	Voltage
P-OR-24-30	30 Amps	24 VDC
P-OR-48-30	30 Amps	48 VDC
- Overload** : 10% Max
- Drop** : 0.65 volts max DC at 30A
- Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)
- Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one of the Input power supply
- Conductor Cross** : 16 mm<sup>2</sup> solid
- Section** : 10 mm<sup>2</sup> Stranded  
AWG - 6
- Dimension** : 131 x 68 x 131 (L x B x H) in mm
- Mounting** : 35 mm Din RAIL
- Weight** : 1.4 Kgs. Approx

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

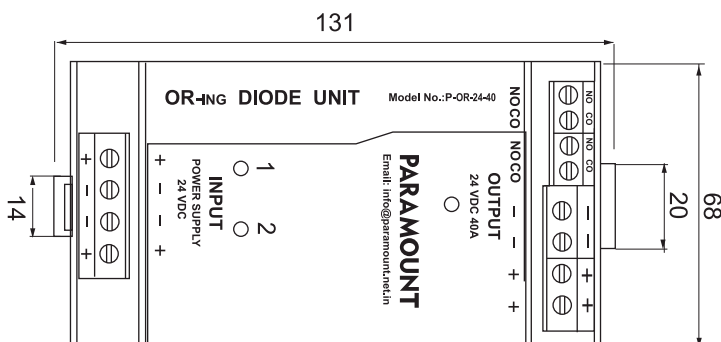
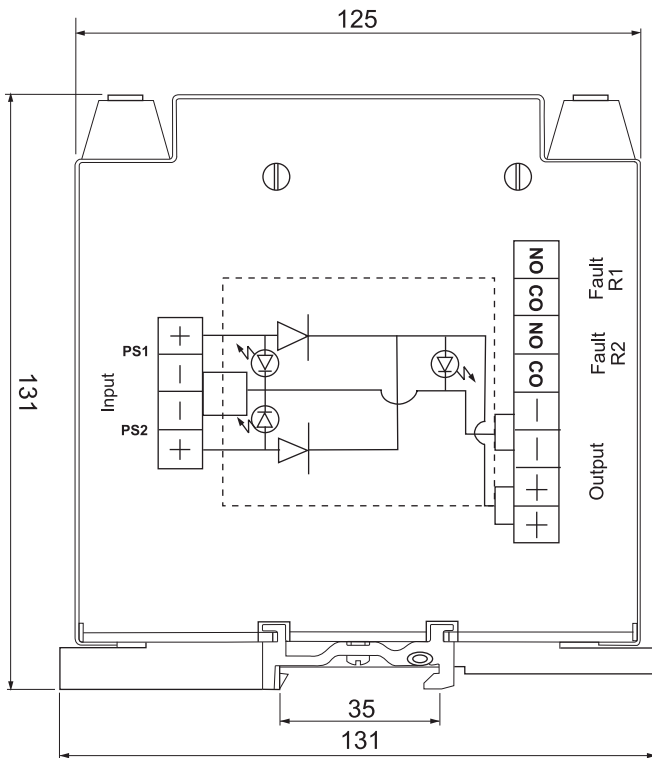


## OR-ING DIODE UNIT

Model No. : P-OR-24-40

Model No. : P-OR-48-40

### Dimensions in mm



### 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

### SPECIFICATION

<b>Input</b>	:	24VDC Supply - 2nos. (standard) 48VDC Supply - 2nos. (standard)									
<b>Output Current</b>	:	<table border="1"> <thead> <tr> <th>Model No.</th> <th>Current Rating</th> <th>Voltage</th> </tr> </thead> <tbody> <tr> <td>P-OR-24-40</td> <td>40 Amps</td> <td>24 VDC</td> </tr> <tr> <td>P-OR-48-40</td> <td>40 Amps</td> <td>48 VDC</td> </tr> </tbody> </table>	Model No.	Current Rating	Voltage	P-OR-24-40	40 Amps	24 VDC	P-OR-48-40	40 Amps	48 VDC
Model No.	Current Rating	Voltage									
P-OR-24-40	40 Amps	24 VDC									
P-OR-48-40	40 Amps	48 VDC									
<b>Overload</b>	:	10% Max									
<b>Drop</b>	:	0.65 volts max DC at 40A									
<b>Di-Electric Strength</b>	:	1.5 KVAC (between Input / Output to body)									
<b>Insulation Resistance</b>	:	100 Mega Ohms @ 500 VDC Min. (between Input / Output to body)									
<b>Working Temperature</b>	:	55°C Ambient Max.									
<b>Indicators</b>	:										
<b>Input Power supply</b>	:	1 Green LED for each power supply									
<b>Output Power supply</b>	:	1 Green LED for Output									
<b>Output</b>	:	1 N/C Relay Contact Rated 5Amps @ 24VDC / 230VAC in case of failure of any one of the Input power supply									
<b>Conductor Cross</b>	:	16 mm <sup>2</sup> solid									
<b>Section</b>	:	10 mm <sup>2</sup> Stranded AWG - 6									
<b>Dimension</b>	:	131 x 68 x 131 (L x B x H) in mm									
<b>Mounting</b>	:	35 mm Din RAIL									
<b>Weight</b>	:	1.4 Kgs. Approx									

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

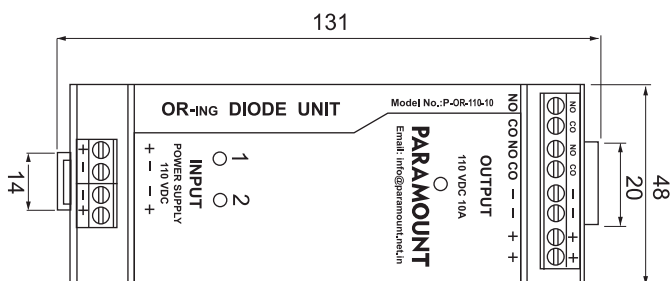
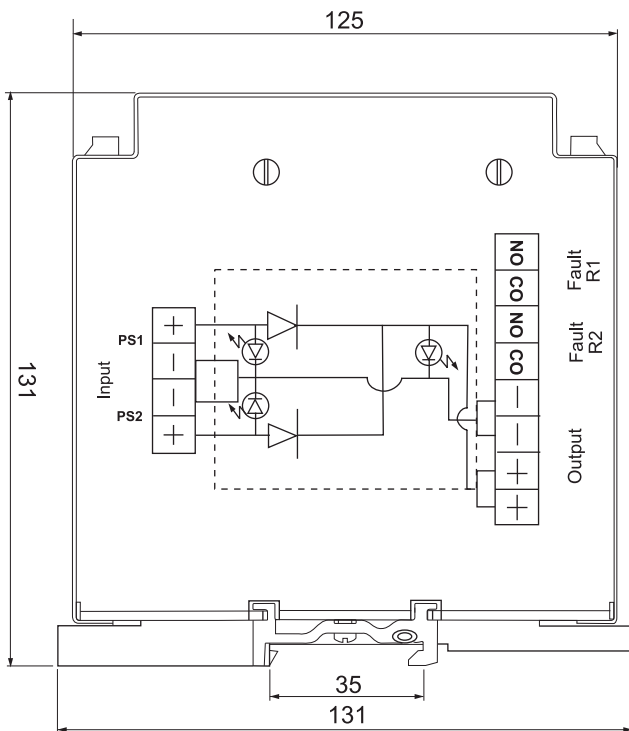


## OR-ING DIODE UNIT

Model No. : P-OR-110-10

Model No. : P-OR-220-10

### Dimensions in mm



### 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

### SPECIFICATION

**Input** : 110VDC Supply - 2nos. (standard)  
220VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-110-10	10 Amps	110 VDC
	P-OR-220-10	10 Amps	220 VDC

**Overload** : 10% Max

**Drop** : 1 volts max DC at 10A

**Di-Electric Strength** : 2 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 0.20 - 4.0 mm<sup>2</sup> solid

**Section** : 0.20 - 2.5 mm<sup>2</sup> Stranded  
AWG - 24-12

**Dimension** : 131 x 48 x 131 (L x B x H) in mm

**Mounting** : 35 mm Din RAIL

**Weight** : 1.2 Kgs. Approx

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

### Approvals





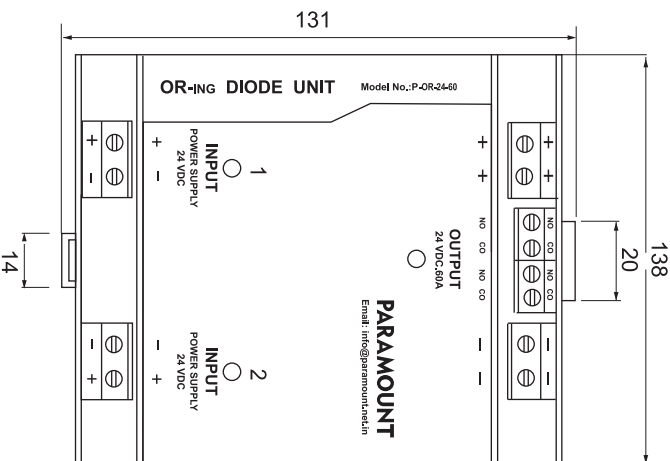
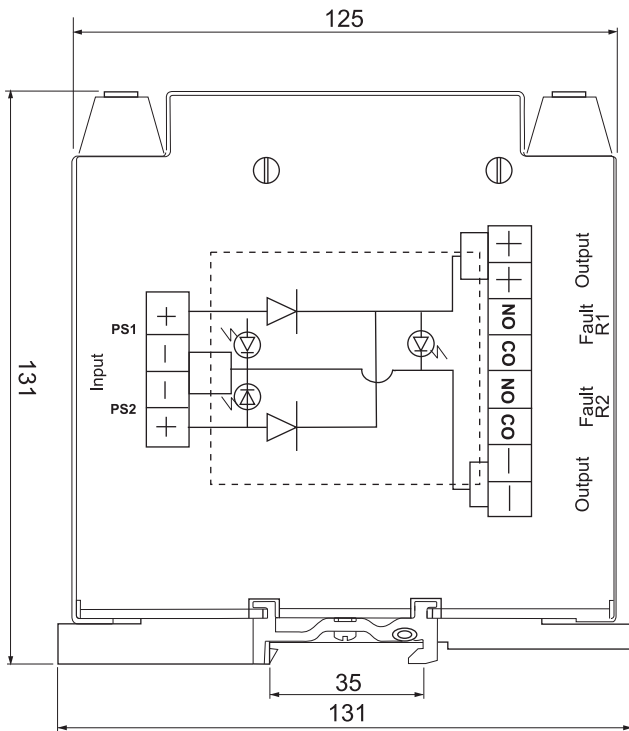


# OR-ING DIODE UNIT

Model No. : P-OR-110-40A

Model No. : P-OR-220-40A

## Dimensions in mm



## 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

## SPECIFICATION

- Input** : 110VDC Supply - 2nos. (standard)  
220VDC Supply - 2nos. (standard)
- Output Current** :
 

Model No.	Current Rating	Voltage
P-OR-110-40	40 Amps	110 VDC
P-OR-220-40	40 Amps	220 VDC
- Overload Drop** : 10% Max  
1.0 volts max DC at 40A
- Di-Electric Strength** : 2 KVAC  
(between Input / Output to body)
- Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
(between Input / Output to body)
- Working Temperature** : 55°C Ambient Max.
- Indicators** : 1 Green LED for each power supply  
1 Green LED for Output
- Output** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one of the Input power supply
- Conductor Cross Section** : 16 mm<sup>2</sup> **solid**  
10 mm<sup>2</sup> **Stranded**  
AWG - 6
- Dimension** : 131 x 138 x 131 (L x B x H) in mm
- Mounting** : 35 mm Din RAIL
- Weight** : 2.7 Kgs. Approx
- Custom built OR ing units can be designed and built to suit the special requirements.



## OR-ING DIODE UNIT

- Model No.: P-OR-24-60-A6
- Model No.: P-OR-48-60-A6
- Model No.: P-OR-24-70-A6
- Model No.: P-OR-48-70-A6
- Model No.: P-OR-24-80-A6
- Model No.: P-OR-48-80-A6

### 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

### SPECIFICATION

**Input** : 24VDC Supply - 2nos. (standard)  
48VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-24-60-A6	60 Amps	24 VDC
	P-OR-48-60-A6	60 Amps	48 VDC
	P-OR-24-70-A6	70 Amps	24 VDC
	P-OR-48-70-A6	70 Amps	48 VDC
	P-OR-24-80-A6	80 Amps	24 VDC
	P-OR-48-80-A6	80 Amps	48 VDC

**Overload** : 10% Max  
**Drop** : 1.2 volts max DC at 60A, 70A & 80A

**Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one of the Input power supply

**Conductor Cross Section** : 0.5 - 35 mm<sup>2</sup>  
AWG - 20-1

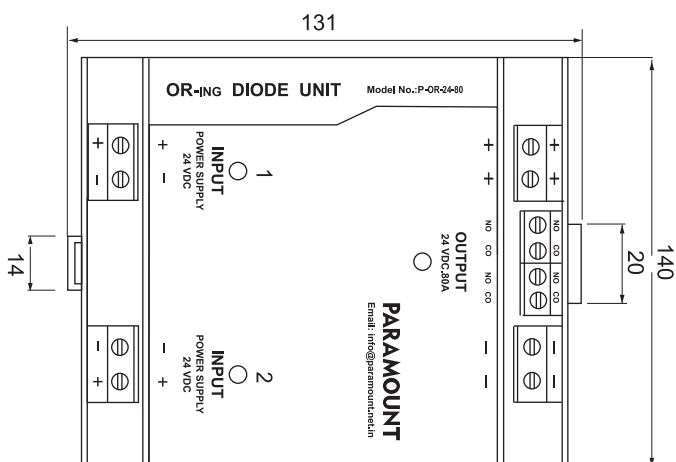
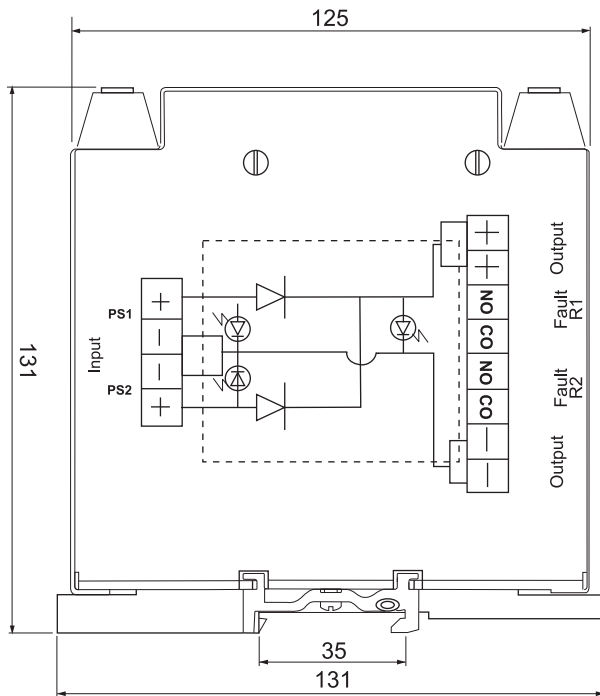
**Dimension** : 131 x 140 x 131 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.5 Kgs. Approx

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

### Dimensions in mm



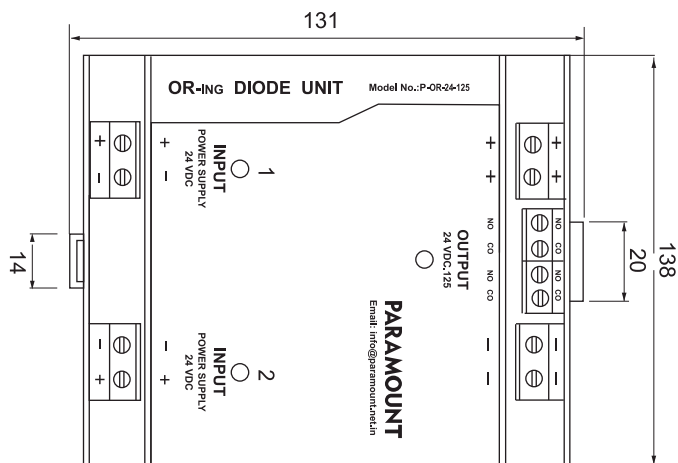
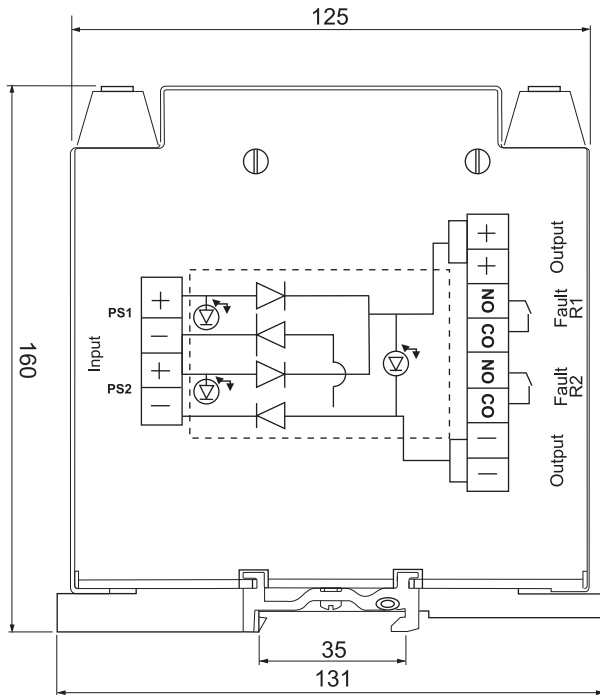




# OR-ING DIODE UNIT

Model No. : P-OR-48-10-D2  
 Model No. : P-OR-110-10-D2  
 Model No. : P-OR-220-10-D2

## Dimensions in mm



## 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

## SPECIFICATION

**Input** : 48VDC Supply - 2nos. (standard)  
 110VDC Supply - 2nos. (standard)  
 220VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-48-10-D2	10 Amps	48 VDC
	P-OR-110-10-D2	10 Amps	110 VDC
	P-OR-220-10-D2	10 Amps	220 VDC

**Overload** : 10% Max  
**Drop** : 2 volts max DC at 10A  
**Di-Electric Strength** : 1.5 KVAC  
 (between Input / Output to body)  
**Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
 (between Input / Output to body)

**Working Temperature** : 55°C Ambient Max.

**Peak Inverse Voltage** : 1600 VDC

### Indicators

**Input Power supply** : 1 Green LED for each power supply

**Output Power supply** : 1 Green LED for Output

**Output** : 1 N/C Relay Contact  
 Rated 5Amps @ 24VDC @ 5A @ 230VAC  
 in case of failure of any one of the  
 Input power supply

**Conductor Cross** : 16 mm **solid**

**Section** : 10 mm **Stranded**  
 AWG - 6

**Dimension** : 131 x 138 x 160 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.7 Kgs.

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

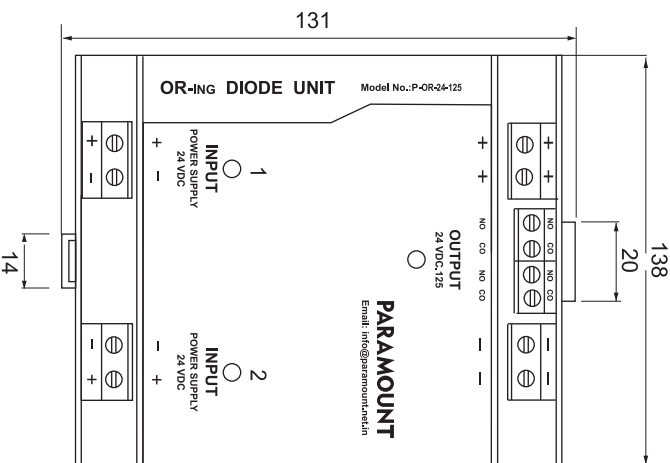
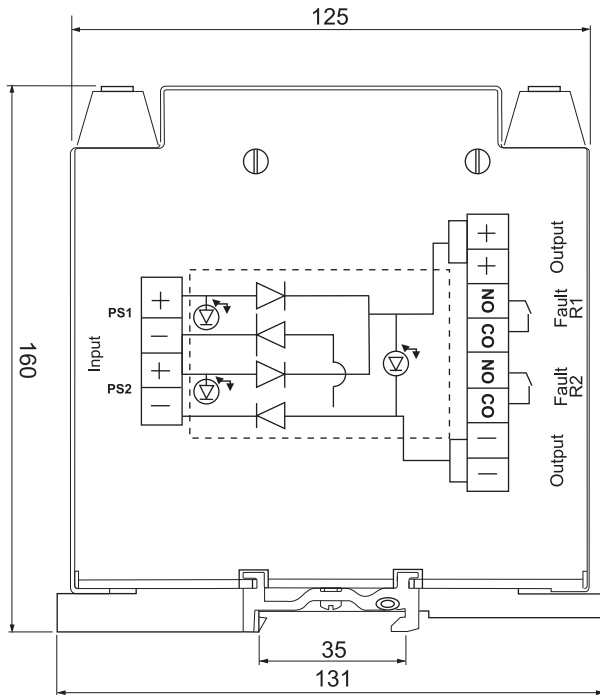




# OR-ING DIODE UNIT

Model No. : P-OR-48-20-D2  
 Model No. : P-OR-110-20-D2  
 Model No. : P-OR-220-20-D2

## Dimensions in mm



## 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

## SPECIFICATION

**Input** : 48VDC Supply - 2nos. (standard)  
 110VDC Supply - 2nos. (standard)  
 220VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-48-20-D2	20 Amps	48VDC
	P-OR-110-20-D2	20 Amps	110 VDC
	P-OR-220-20-D2	20 Amps	220 VDC

**Overload** : 10% Max  
**Drop** : 2 volts max DC at 20A  
**Di-Electric Strength** : 1.5 KVAC  
 (between Input / Output to body)  
**Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
 (between Input / Output to body)

**Working Temperature** : 55°C Ambient Max.

**Peak Inverse Voltage** : 1600 VDC

### Indicators

**Input Power supply** : 1 Green LED for each power supply

**Output Power supply** : 1 Green LED for Output

**Output** : 1 N/C Relay Contact  
 Rated 5Amps @ 24VDC @ 5A @ 230VAC  
 in case of failure of any one of the  
 Input power supply

**Conductor Cross** : 16 mm **solid**

**Section** : 10 mm **Stranded**  
 AWG - 6

**Dimension** : 131 x 138 x 160 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.7 Kgs.

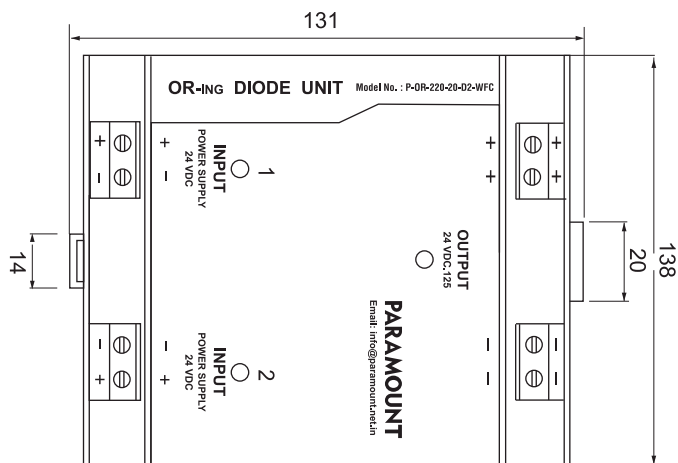
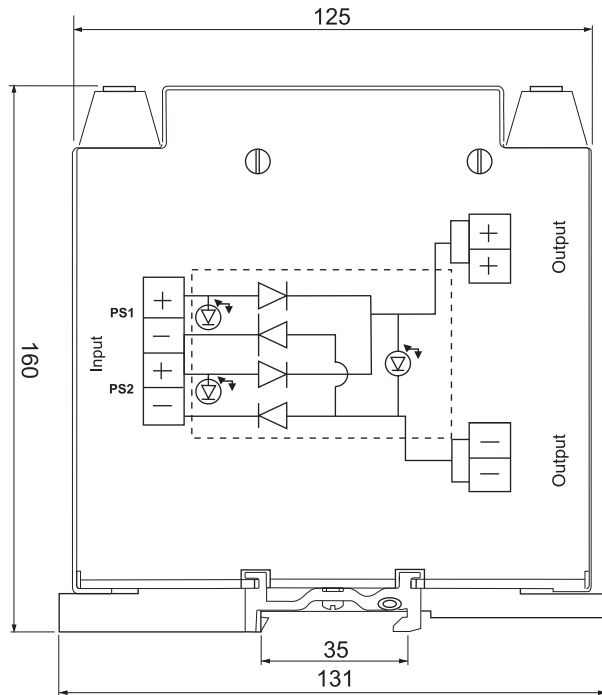
- Custom built OR ing units can be designed and built to suit the special requirements.



# OR-ING DIODE UNIT

Model No. : P-OR-110-20-D2-WFC  
Model No. : P-OR-220-20-D2-WFC

## Dimensions in mm



## 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.

## SPECIFICATION

**Input** : 110VDC Supply - 2nos. (standard)  
220VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-110-20-D2-WFC	20 Amps	110 VDC
	P-OR-220-20-D2-WFC	20 Amps	220 VDC

**Overload** : 10% Max

**Drop** : 2 volts max DC at 20A

**Di-Electric Strength** : 2 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 200 Mega Ohms @ 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

**Conductor Cross** : 16 mm **solid**

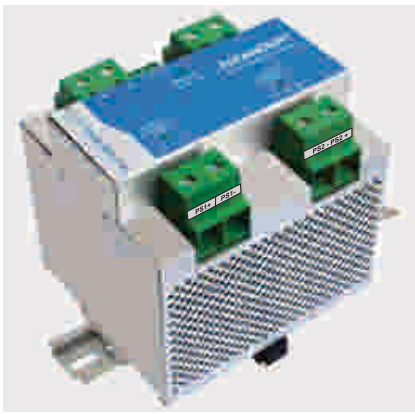
**Section** : 10 mm **Stranded**  
AWG - 6

**Dimension** : 131 x 138 x 160 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.7 Kgs.

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



## OR-ING DIODE UNIT

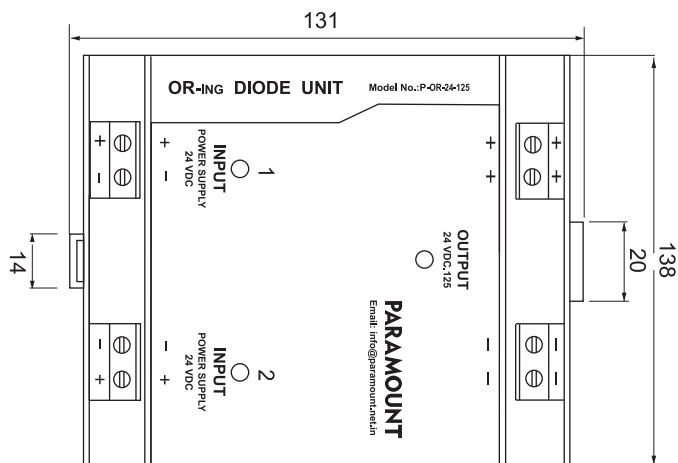
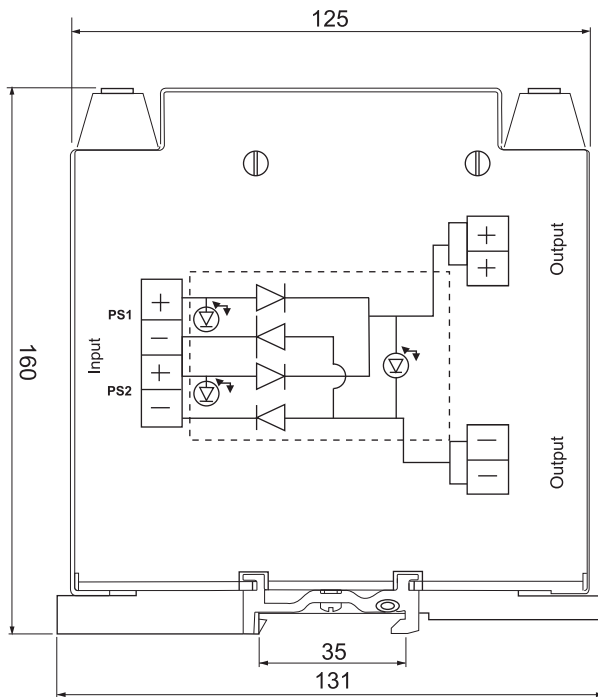
Model No. : P-OR-110-40-D2-WFC

Model No. : P-OR-125-40-D2-WFC

Model No. : P-OR-220-40-D2-WFC

Model No. : P-OR-250-40-D2-WFC

### Dimensions in mm



### 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.

### SPECIFICATION

**Input** : 110VDC Supply - 2nos. (standard)  
125VDC Supply - 2nos. (standard)  
220VDC Supply - 2nos. (standard)  
250VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-110-40-D2-WFC	40 Amps	110 VDC
	P-OR-125-40-D2-WFC	40 Amps	125 VDC
	P-OR-220-40-D2-WFC	40 Amps	220 VDC
	P-OR-250-40-D2-WFC	40 Amps	250 VDC

**Overload** : 10% Max  
**Drop** : 2 volts max DC at 40A  
**Di-Electric Strength** : 2.0 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
(between Input / Output to body)

**Working Temperature** : 55°C Ambient Max.

**Peak Inverse Voltage** : 1600 VDC

#### Indicators

**Input Power supply** : 1 Green LED for each power supply

**Output Power supply** : 1 Green LED for Output

**Conductor Cross** : 16 mm **solid**

**Section** : 10 mm **Stranded**  
AWG - 6

**Dimension** : 131 x 138 x 160 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.7 Kgs.

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

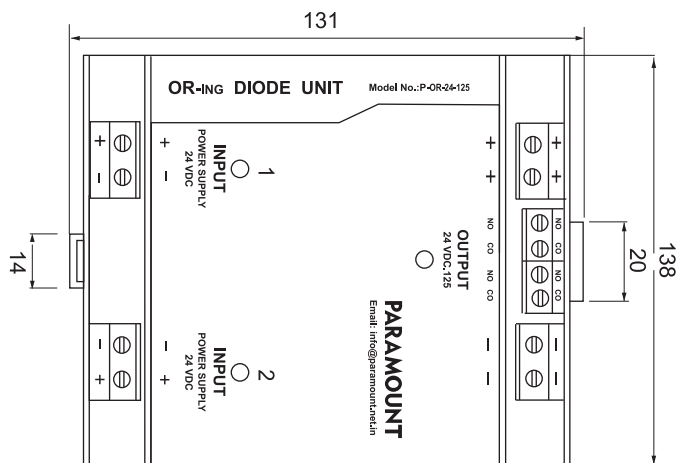
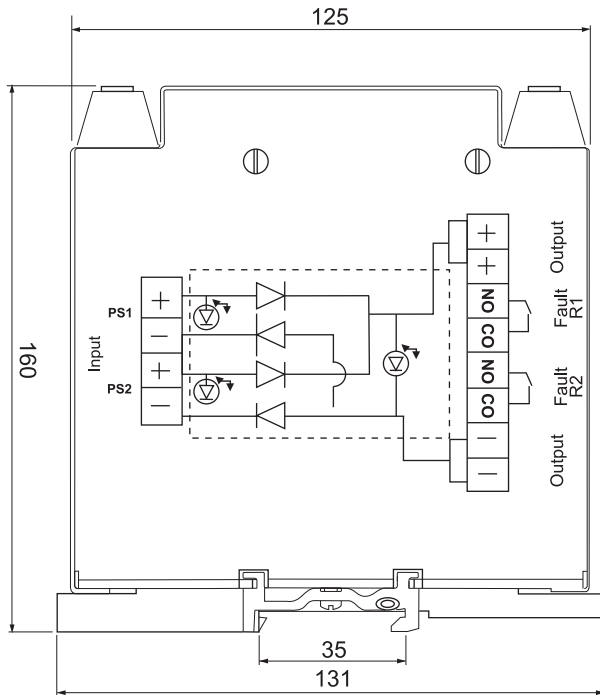


# OR-ING DIODE UNIT

**Model No. : P-OR-110-40-D2**

**Model No. : P-OR-220-40-D2**

## Dimensions in mm



## 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

## SPECIFICATION

**Input** : 110VDC Supply - 2nos. (standard)  
220VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-110-40-D2	40 Amps	110 VDC
	P-OR-220-40-D2	40 Amps	220 VDC

**Overload** : 10% Max  
**Drop** : 2 volts max DC at 10A, 20A & 40A

**Di-Electric Strength** : 2.0 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
(between Input / Output to body)

**Working Temperature** : 55°C Ambient Max.

**Peak Inverse Voltage** : 1600 VDC

### Indicators

**Input Power supply** : 1 Green LED for each power supply

**Output Power supply** : 1 Green LED for Output

**Output** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC @ 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 16 mm **solid**

**Section** : 10 mm **Stranded**  
AWG - 6

**Dimension** : 131 x 138 x 160 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.7 Kgs.

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



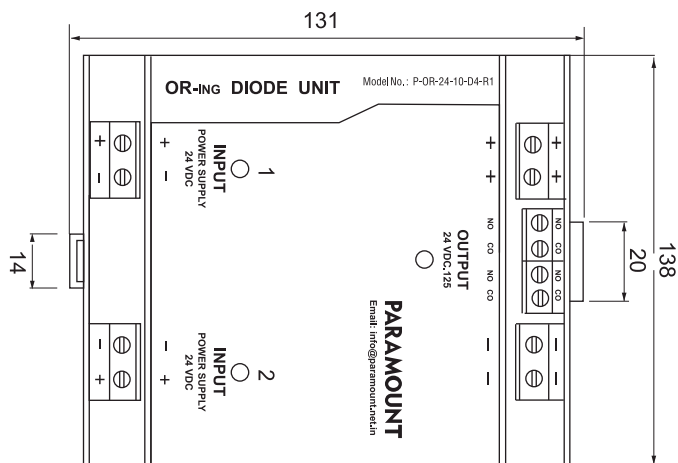
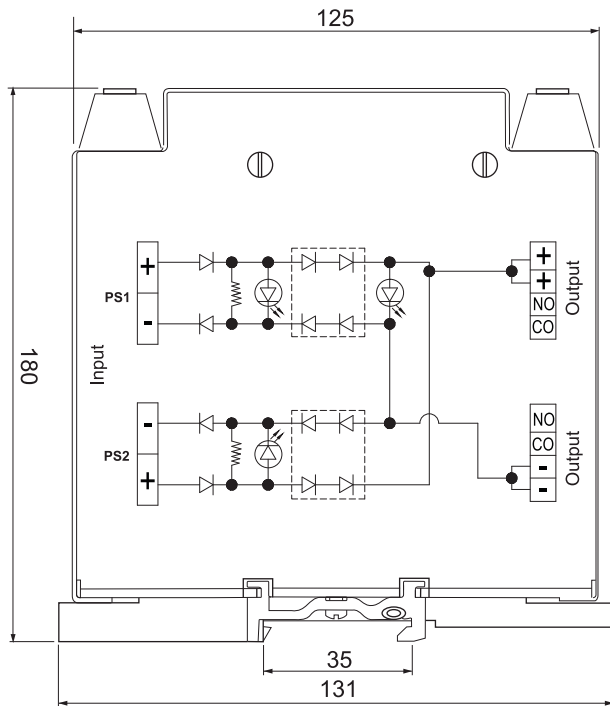
## OR-ING DIODE UNIT

Model No. : P-OR-24-10-D4-R1

Model No. : P-OR-110-10-D4-R1

Model No. : P-OR-220-10-D4-R1

### Dimensions in mm



### 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

### SPECIFICATION

**Input** : 24VDC Supply - 2nos. (standard)  
110VDC Supply - 2nos. (standard)  
220VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-24-10-D4-R1	10 Amps	24 VDC
	P-OR-110-10-D4-R1	10 Amps	110 VDC
	P-OR-220-10-D4-R1	10 Amps	220 VDC

**Overload** : 10% Max

**Drop** : 2.0 volts max DC at 10A

**Di-Electric Strength** : 2 KVAC for 10A  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
(between Input / Output to body)

**Peak Inverse Voltage** : 1200 - 1600 VDC Minium

**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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC @ 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 16 mm solid

**Section** : 10 mm Stranded  
AWG - 6

**Dimension** : 131 x 138 x 180 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.7 Kgs.

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

### Approvals





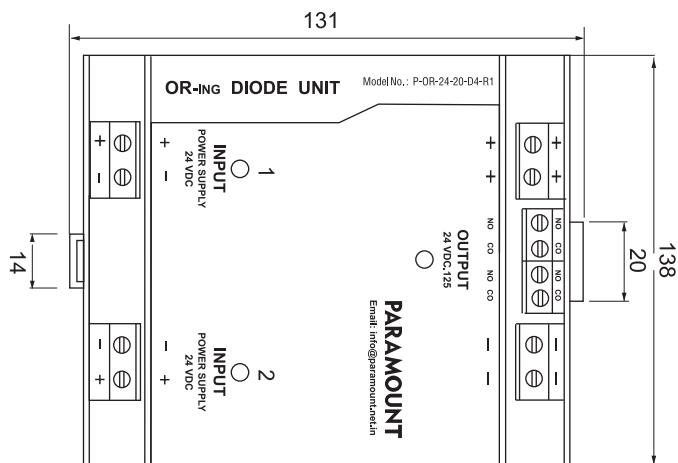
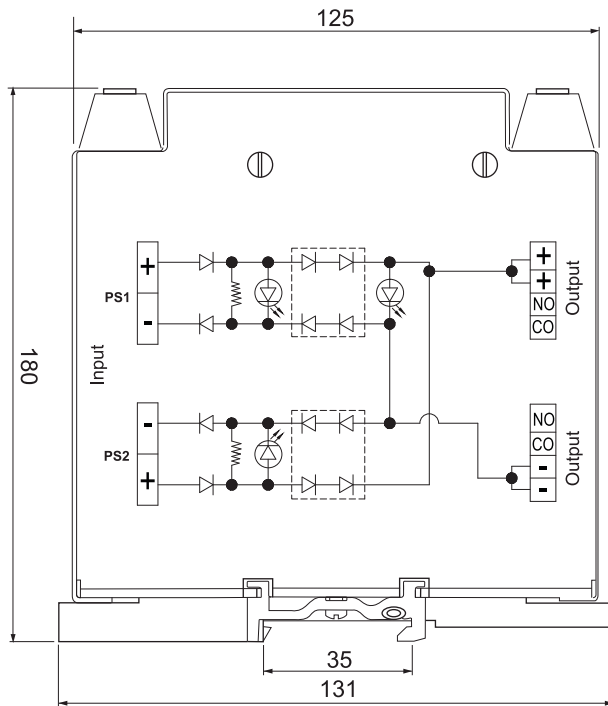
## OR-ING DIODE UNIT

Model No. : P-OR-24-20-D4-R1

Model No. : P-OR-110-20-D4-R1

Model No. : P-OR-220-20-D4-R1

### Dimensions in mm



### 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

### SPECIFICATION

**Input** : 24VDC Supply - 2nos. (standard)  
110VDC Supply - 2nos. (standard)  
220VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-24-20-D4-R1	20 Amps	24 VDC
	P-OR-110-20-D4-R1	20 Amps	110 VDC
	P-OR-220-20-D4-R1	20 Amps	220 VDC

**Overload** : 10% Max  
**Drop** : 2.0 volts max DC at 20A  
**Di-Electric Strength** : 2 KVAC for 20A  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
(between Input / Output to body)

**Peak Inverse Voltage** : 1200 - 1600 VDC Minium

**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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC @ 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 16 mm solid

**Section** : 10 mm Stranded  
AWG - 6

**Dimension** : 131 x 138 x 180 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.7 Kgs.

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





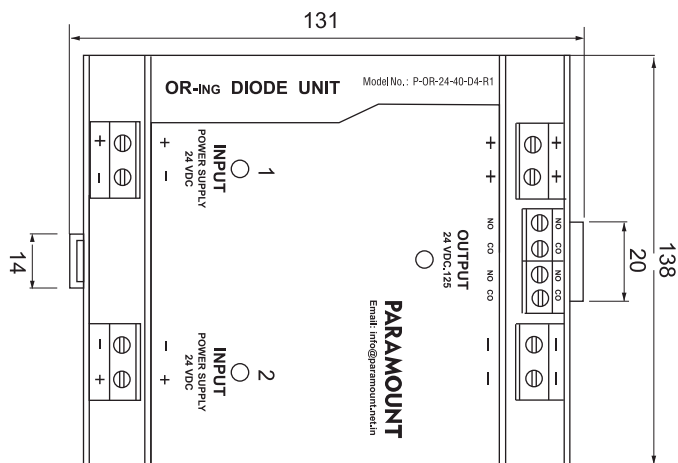
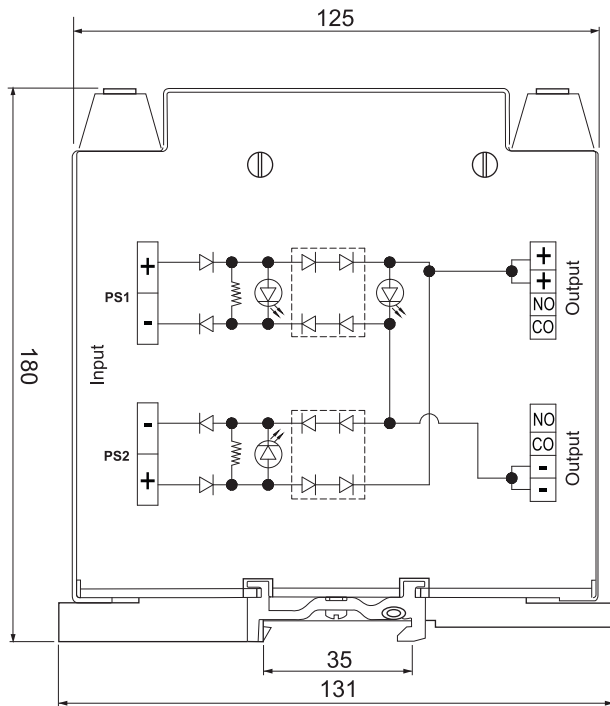
## OR-ING DIODE UNIT

Model No. : P-OR-24-40-D4-R1

Model No. : P-OR-110-40-D4-R1

Model No. : P-OR-220-40-D4-R1

### Dimensions in mm



### 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

### SPECIFICATION

**Input** : 24VDC Supply - 2nos. (standard)  
110VDC Supply - 2nos. (standard)  
220VDC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-24-40-D4-R1	40 Amps	24 VDC
	P-OR-110-40-D4-R1	40 Amps	110 VDC
	P-OR-220-40-D4-R1	40 Amps	220 VDC

**Overload** : 10% Max

**Drop** : 2.0 volts max DC at 40A

**Di-Electric Strength** : 2 KVAC for 40A  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 500 VDC Min.  
(between Input / Output to body)

**Peak Inverse Voltage** : 1200 - 1600 VDC Minium

**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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC @ 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 16 mm solid

**Section** : 10 mm Stranded  
AWG - 6

**Dimension** : 131 x 138 x 180 (L x B x H) in mm Approx

**Mounting** : 35 mm Din RAIL

**Weight** : 2.7 Kgs.

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



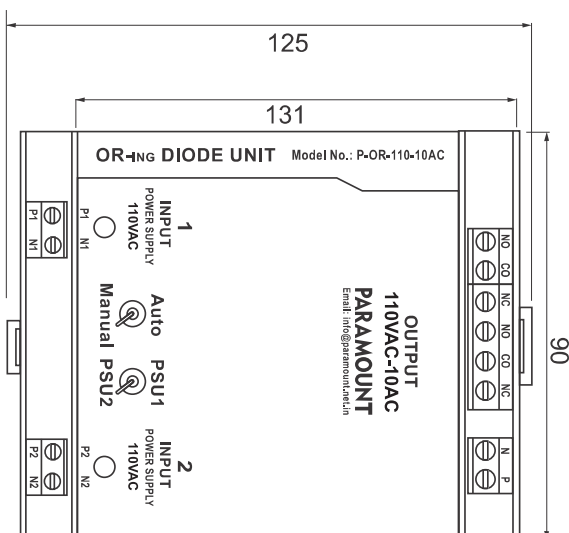
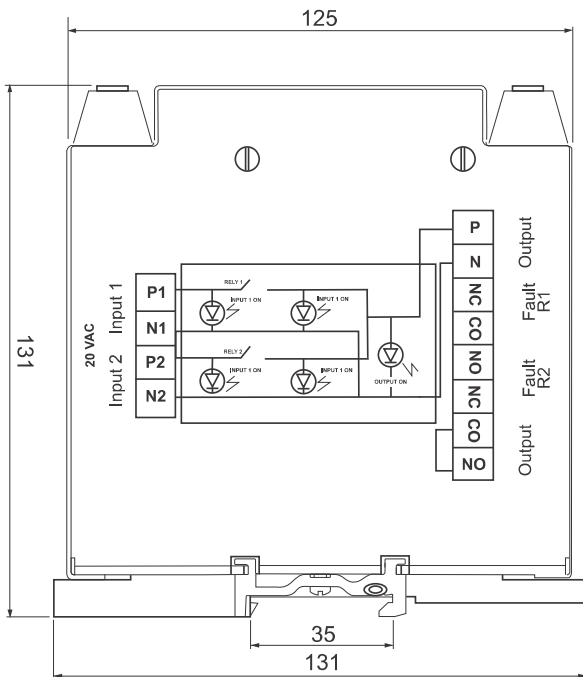


## AC OR-ING UNIT

Model No. : P-OR-110-10AC

Model No. : P-OR-230-10AC

### Dimensions in mm



### 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

### SPECIFICATION

**Input** : 110VAC Supply - 2nos. (standard)  
230VAC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-110-10AC	10 Amps	110 VAC
	P-OR-230-10AC	10 Amps	230 VAC

**Overload** : 10% Max  
**Drop** : 1 Volts max AC @ 10Amps  
**Di-Electric Strength** : 1 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 500VDC Min.  
(between Input / Output to body)

**Working Temperature** : 55°C Ambient Max.

**Change Over time** : 30 ms Max.

**Indicators**

**Input Power supply** : 2 Red LED for each power supply  
2 Green LED for Relay supply

**Output Power supply** : 1 Orange LED for Output

**Output** : 1 C/O Relay Contact  
Rated 5A @ 24VDC & 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 0.20 - 4.0 mm square **solid**

**Section** : 0.20 - 2.5 mm square **Stranded**  
AWG - 24-12

**Power dissipation** : 1.6W max @ rated coil voltage

**Dimension** : 125 x 90 x 145 (L x B x H) in mm

**Mounting** : 35 mm Din RAIL

**Weight** : 1.4 Kgs

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

### Approvals



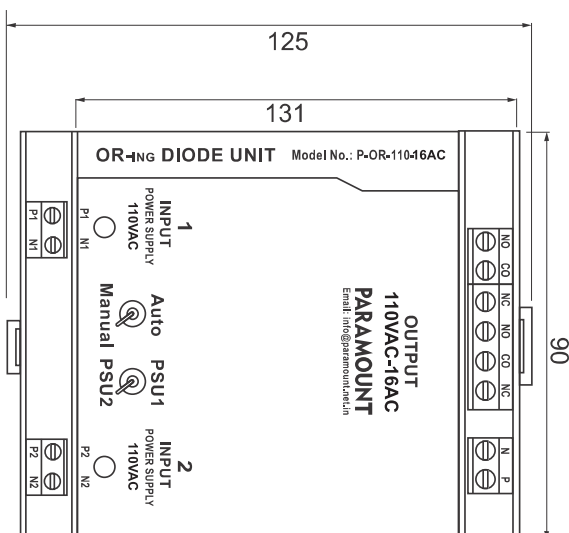
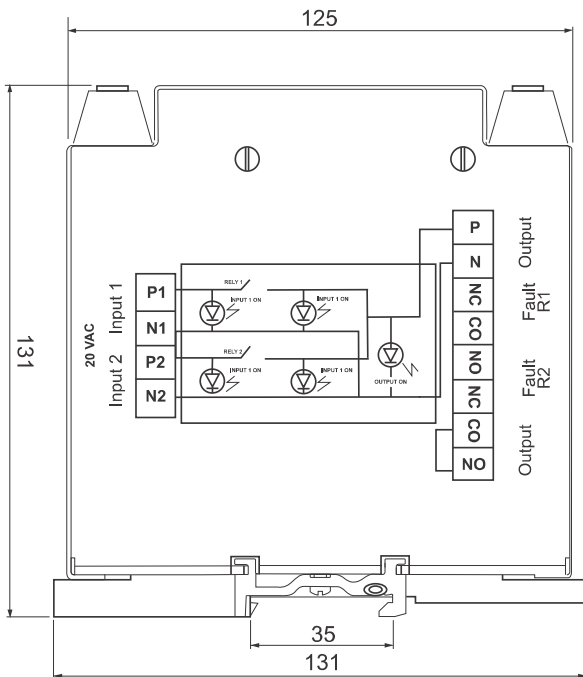


## AC OR-ING UNIT

Model No. : P-OR-110-16AC

Model No. : P-OR-230-16AC

### Dimensions in mm



### 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

### SPECIFICATION

**Input** : 110VAC Supply - 2nos. (standard)  
230VAC Supply - 2nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-110-16AC	16 Amps	110 VAC
	P-OR-230-16AC	16 Amps	230 VAC

**Overload** : 10% Max

**Drop** : 1.2 Volts max AC @ 16Amps

**Di-Electric Strength** : 1 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 500VDC Min.  
(between Input / Output to body)

**Working Temperature** : 55°C Ambient Max.

#### Indicators

**Input Power supply** : 2 Red LED for each power supply  
2 Green LED for Relay supply

**Output Power supply** : 1 Orange LED for Output

**Output** : 1 C/O Relay Contact  
Rated 5A @ 24VDC & 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Change Over time** : 30 msec Max.

**Power dissipation** : 1.6W max @ rated coil voltage

**Conductor Cross** : 0.20 - 4.0 mm square solid

**Section** : 0.20 - 2.5 mm square **Stranded**  
AWG - 24-12

**Dimension** : 125 x 90 x 145 (L x B x H) in mm

**Mounting** : 35 mm Din RAIL

**Weight** : 1.4 Kgs

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

### Approvals

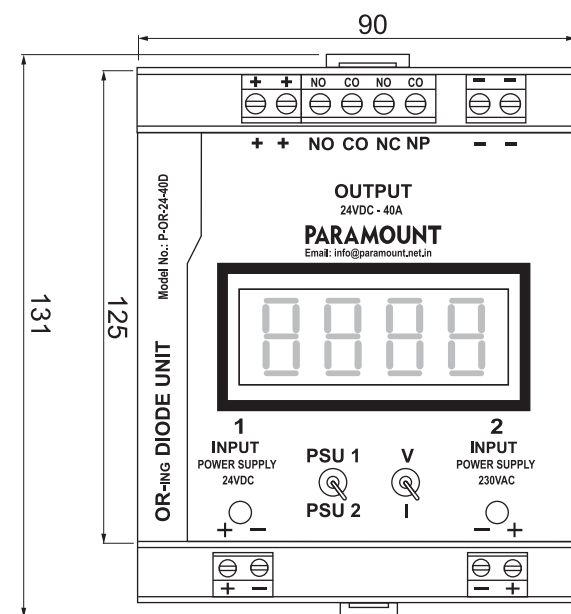
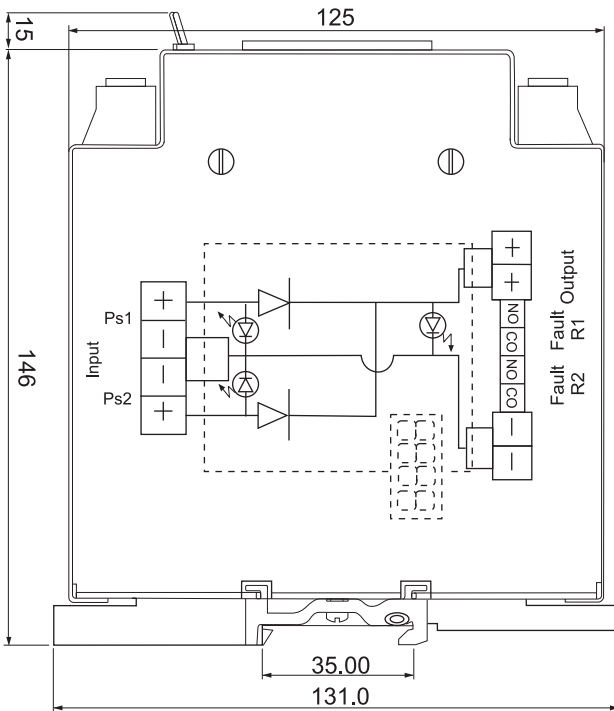




# OR-ING DIODE UNIT WITH DIGITAL DISPLAY

Model No. : P-OR-24-40D

## Dimensions in mm



## 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. 1 N/C relay contacts brought out for the each power supply failure alarm.

## SPECIFICATION

<b>Input</b>	:	24VDC Supply - 2nos. (standard)						
<b>Output Current</b>	:	<table border="1"> <thead> <tr> <th>Model No.</th> <th>Current Rating</th> <th>Voltage</th> </tr> </thead> <tbody> <tr> <td>P-OR-24-40D</td> <td>40 Amps</td> <td>24 VDC</td> </tr> </tbody> </table>	Model No.	Current Rating	Voltage	P-OR-24-40D	40 Amps	24 VDC
Model No.	Current Rating	Voltage						
P-OR-24-40D	40 Amps	24 VDC						
<b>Overload</b>	:	10% Max						
<b>Drop</b>	:	0.65 volts max DC at 40A						
<b>Di-Electric Strength</b>	:	1.5 KVAC (between Input / Output to body)						
<b>Insulation Resistance</b>	:	100 Mega Ohms @ 500 VDC Min. (between Input / Output to body)						
<b>Working Temperature</b>	:	55°C Ambient Max.						
<b>Indicators</b>	:							
<b>Digital Display</b>	:	3 1/2 DPM RED LED 18mm Voltage and Current						
<b>Change over switches</b>	:	1 Toggle for voltage and current selection 1 Toggle for PSU1 and PSU2						
<b>Input Power supply</b>	:	2 Green LED for each power supply						
<b>Output Power supply</b>	:	1 Green LED for Output						
<b>Output</b>	:	1 N/C Relay Contact Rated 5Amps @ 24VDC / 230VAC in case of failure of any one of the Input power supply						
<b>Conductor Cross</b>	:	0.20 - 6.0 mm <sup>2</sup> solid						
<b>Section</b>	:	0.20 - 4.0 mm <sup>2</sup> Stranded AWG - 24-10						
<b>Dimension</b>	:	131 x 90 x 146 (L x B x H) in mm						
<b>Mounting</b>	:	35 mm Din RAIL						
<b>Weight</b>	:	1.5 Kgs. Approx						

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

## Approvals



# DETACHABLE CONNECTOR TYPE DIODE BLOCK UNIT

Power supply fault output  
NC relay contact

Input power ON Indicator

Output power ON Indicator

Detachable Connector

35mm DIN Rail Mountable

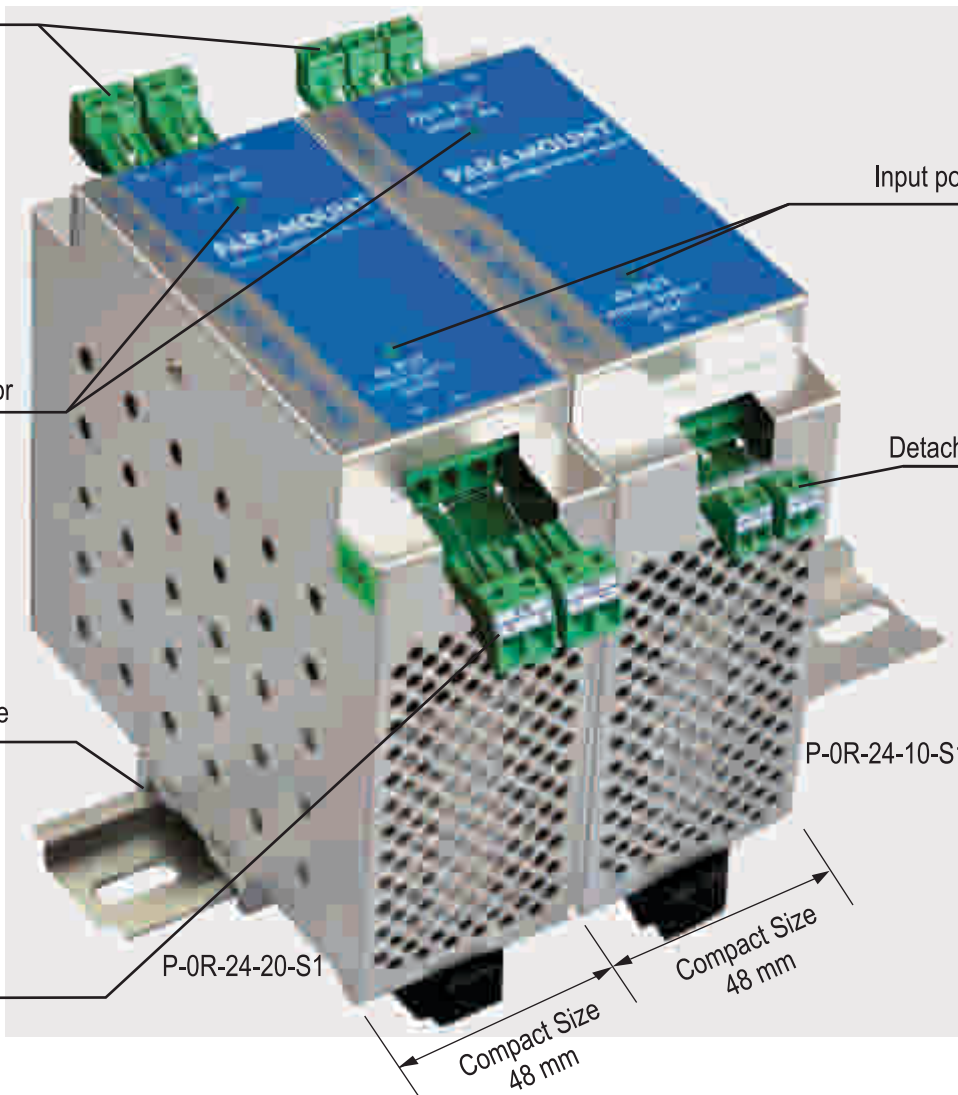
P-0R-24-10-S1

Power Supply Input

P-0R-24-20-S1

Compact Size  
48 mm

Compact Size  
48 mm



# SCREW CONNECTOR TYPE DIODE BLOCK UNIT

Power supply fault output  
NC relay contact

Output power ON Indicator

35mm DIN Rail Mountable

Power Supply Input

Input power ON Indicator

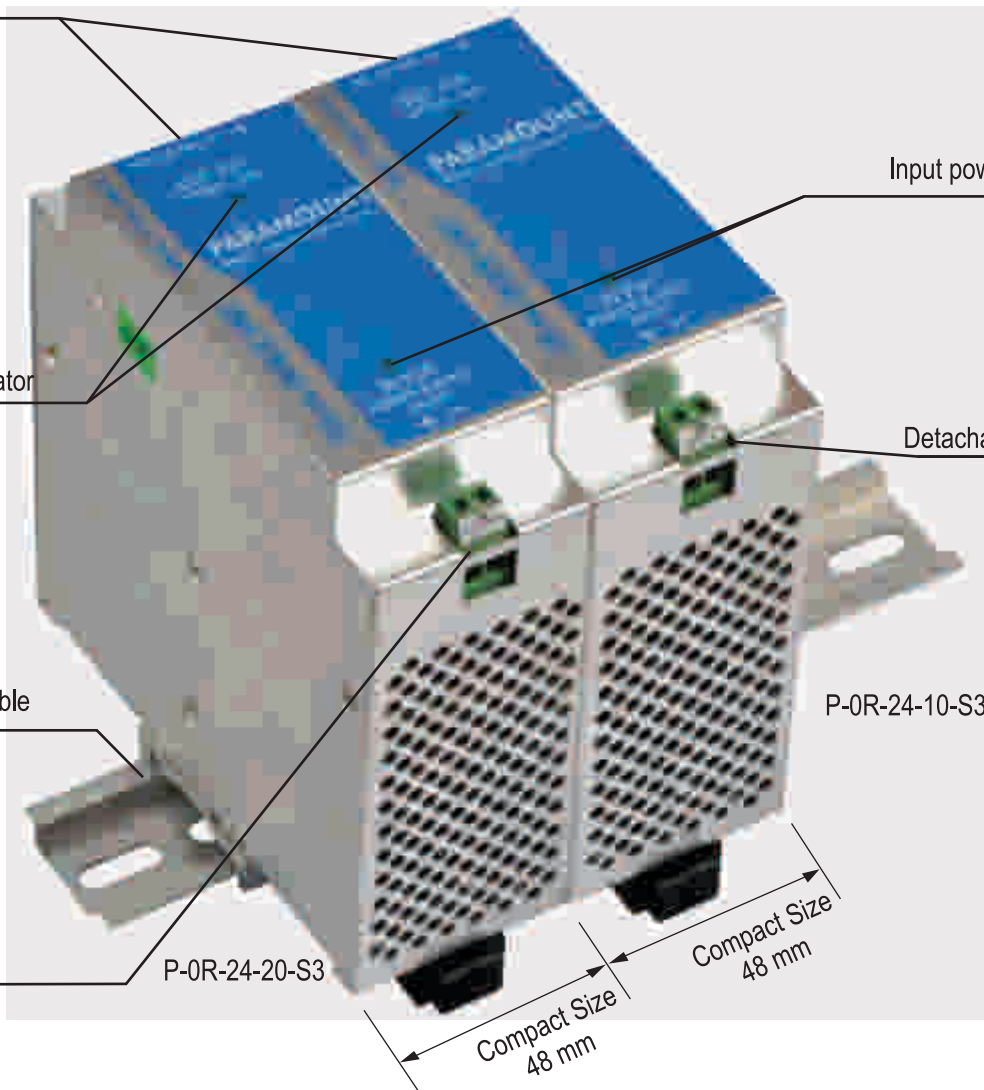
Detachable Connector

P-0R-24-10-S3

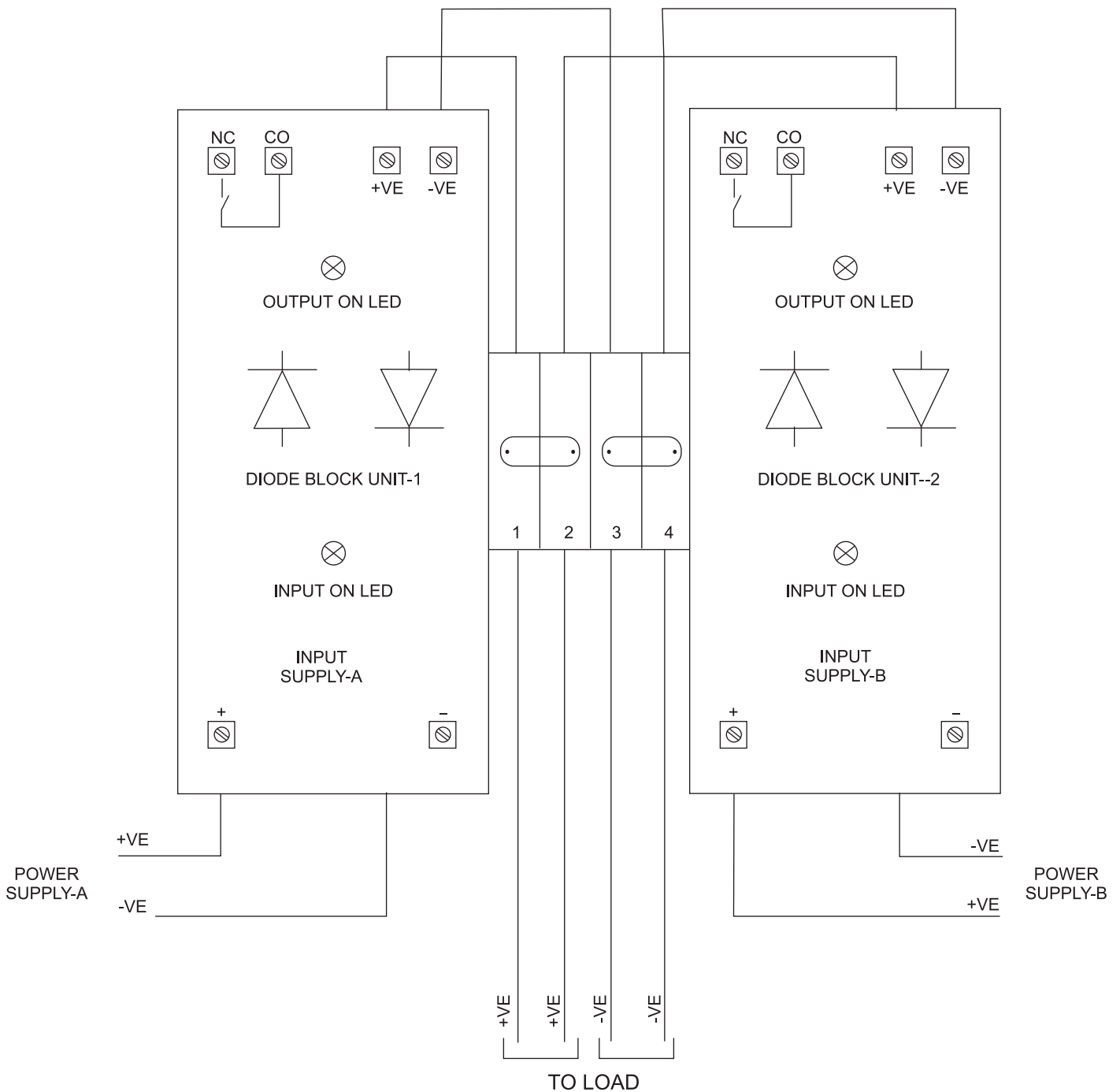
P-0R-24-20-S3

Compact Size  
48 mm

Compact Size  
48 mm



# SCHEMATIC BLOCK DIAGRAM TO USE DIODE BLOCK FOR BOTH DETACHABLE & SCREW TYPE CONNECTOR



This Diode Block Unit has one Series diode in the +ve & ve supply line in the unit. This isolates both +ve & -ve Power Supply lines with the other power supplies.

To create power supply redundancy through these units the output of each of power supply is connected at the input of each of these Diode Block Unit with right ploarity & output from these units are connected in parallel i.e +ve terminal to +ve terminal & -ve terminal to -ve terminal at the output of each Diode Block Unit.

**PI. Note :** One Diode Block Unit is required for each one of the power supplies. There are two types of diode block available screw type connector & Detachable type connector.

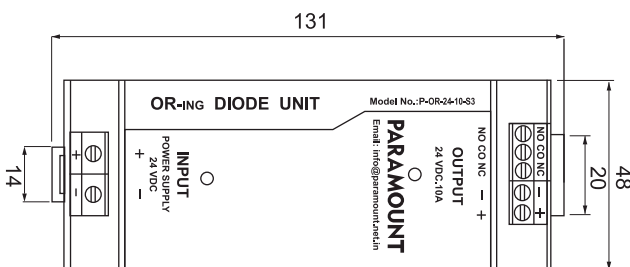
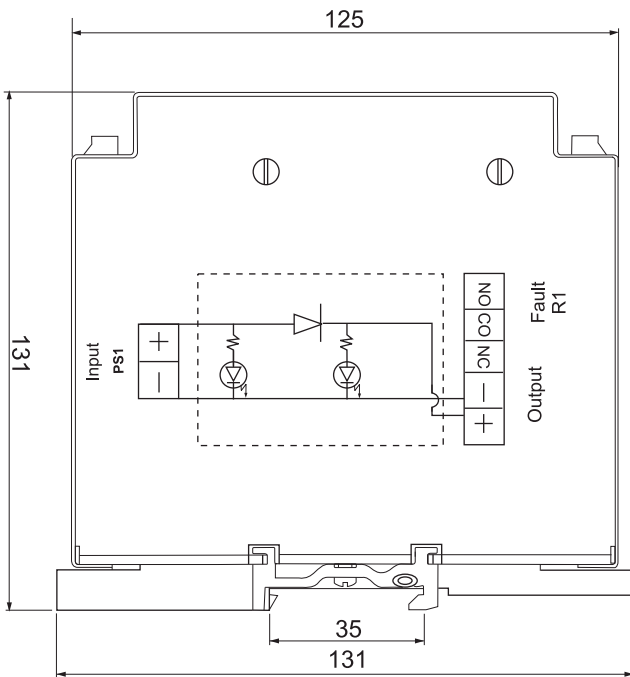




## OR-ING DIODE BLOCK SCREW TYPE

Model No. : P-OR-24-5-S3  
 Model No. : P-OR-48-5-S3  
 Model No. : P-OR-24-10-S3  
 Model No. : P-OR-48-10-S3  
 Model No. : P-OR-24-20-S3  
 Model No. : P-OR-48-20-S3

### Dimensions in mm



### GENERAL INFORMATION

The Diode Block 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** : 24VDC Supply - 1nos. (standard)  
 48VDC Supply - 1nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-24-5-S3	5 Amps	24 VDC
	P-OR-48-5-S3	5 Amps	48 VDC
	P-OR-24-10-S3	10 Amps	24 VDC
	P-OR-48-10-S3	10 Amps	48 VDC
	P-OR-24-20-S3	20 Amps	24 VDC
	P-OR-48-20-S3	20 Amps	48 VDC

**Overload** : 10% Max  
**Drop** : 0.65 volts max DC at 20A  
**Di-Electric Strength** : 1.5 KVAC  
 (between Input / Output to body)

**Insulation Resistance** : 200 Mega Ohms @ 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** : 1 N/C Relay Contact  
 Rated 5Amps @ 24VDC & 5A @ 230VAC  
 in case of failure of any one of the  
 Input power supply

**Conductor Cross** : 0.20 - 4.0 mm<sup>2</sup> solid

**Section** : 0.20 - 2.5 mm<sup>2</sup> Stranded  
 AWG - 24 - 12

**Dimension** : 131 x 48 x 131 (L x B x H) in mm

**Mounting** : 35 mm Din RAIL

**Weight** : 1.2 Kgs. Approx

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

### Approvals







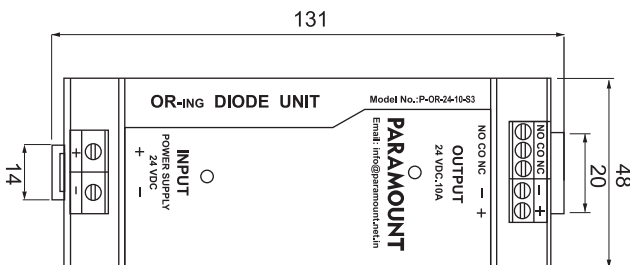
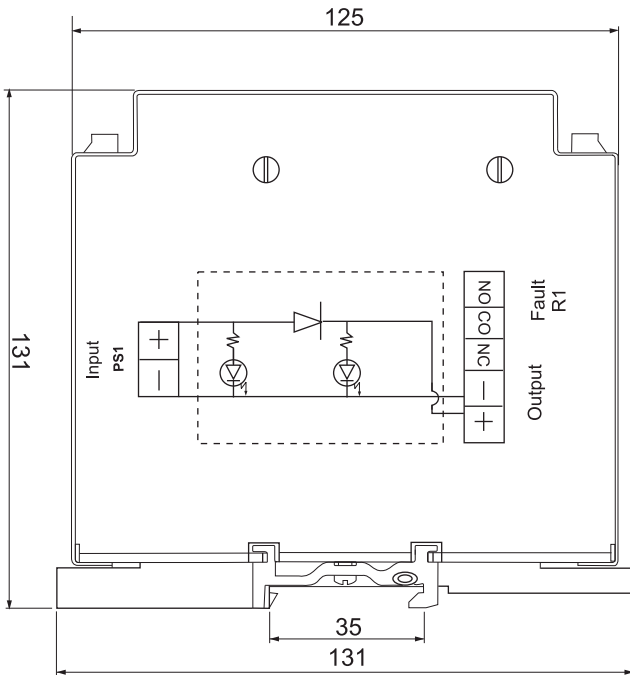
## OR-ING DIODE BLOCK SCREW TYPE

Model No. : P-OR-24-40-S3

Model No. : P-OR-48-40-S3

### Dimensions

in mm



### GENERAL INFORMATION

The Diode Block 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

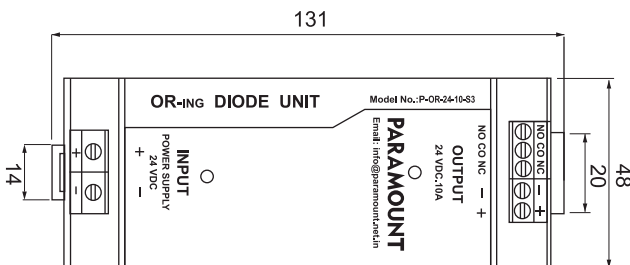
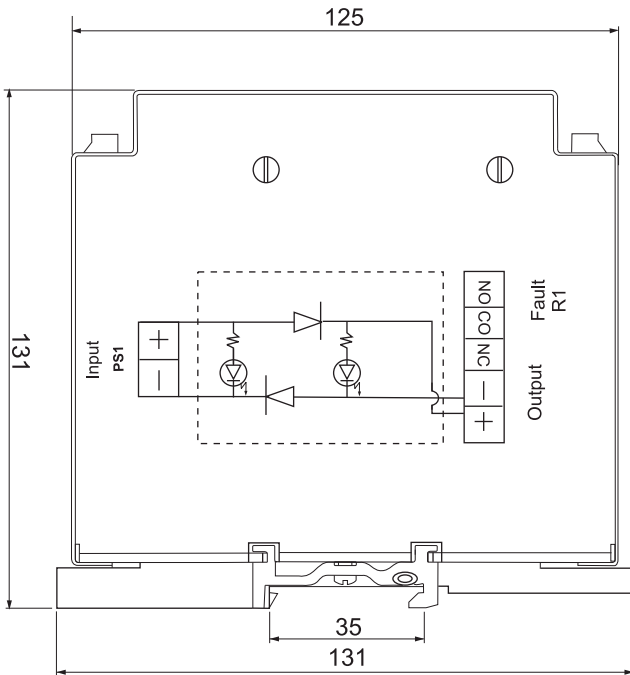
- Input** : 24VDC Supply - 1nos. (standard)  
48VDC Supply - 1nos. (standard)
- Output Current** :
- | Model No.     | Current Rating | Voltage |
|---------------|----------------|---------|
| P-OR-24-40-S3 | 40 Amps        | 24 VDC  |
| P-OR-48-40-S3 | 40 Amps        | 48 VDC  |
- Overload** : 10% Max
- Drop** : 0.65 volts max DC at 20A
- Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)
- Insulation Resistance** : 200 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC & 5A @ 230VAC  
in case of failure of any one of the Input power supply
- Conductor Cross Section** : 0.20 - 4.0 mm<sup>2</sup> solid  
0.20 - 2.5 mm<sup>2</sup> Stranded  
AWG - 24 - 12
- Dimension** : 131 x 48 x 131 (L x B x H) in mm
- Mounting** : 35 mm Din RAIL
- Weight** : 1.2 Kgs. Approx
- Custom built OR ing units can be designed and built to suit the special requirements.



## OR-ING DIODE BLOCK SCREW TYPE

Model No. : P-OR-24-5-A4  
 Model No. : P-OR-48-5-A4  
 Model No. : P-OR-24-10-A4  
 Model No. : P-OR-48-10-A4  
 Model No. : P-OR-110-10-A4  
 Model No. : P-OR-220-10-A4

**Dimensions** in mm



### GENERAL INFORMATION

The Diode Block 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** : 24VDC Supply - 1nos. (standard)  
 48VDC Supply - 1nos. (standard)  
 110VDC Supply - 1nos. (standard)  
 220VDC Supply - 1nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-24-5-A4	5 Amps	24 VDC
	P-OR-48-5-A4	5 Amps	48 VDC
	P-OR-24-10-A4	10 Amps	24 VDC
	P-OR-48-10-A4	10 Amps	48 VDC
	P-OR-110-20-A4	10 Amps	110 VDC
	P-OR-220-20-A4	10 Amps	220 VDC

**Overload** : 10% Max  
**Drop** : 0.65 volts max DC at 20A  
**Di-Electric Strength** : 1.5 KVAC for 24VDC & 48VDC  
 2.0 KVAC for 110VDC & 220VDC  
 (between input / output to body)  
**Insulation Resistance** : 200 Mega Ohms @ 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** : 1 N/C Relay Contact  
 Rated 5Amps @ 24VDC & 5A @ 230VAC  
 in case of failure of any one of the  
 Input power supply

**Conductor Cross** : 0.20 - 4.0 mm<sup>2</sup> **solid**

**Section** : 0.20 - 2.5 mm<sup>2</sup> **Stranded**  
 AWG - 24 - 12

**Dimension** : 131 x 48 x 131 (L x B x H) in mm

**Mounting** : 35 mm Din RAIL

**Weight** : 1.2 Kgs. Approx

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

**Approvals**





## OR-ING DIODE BLOCK SCREW TYPE

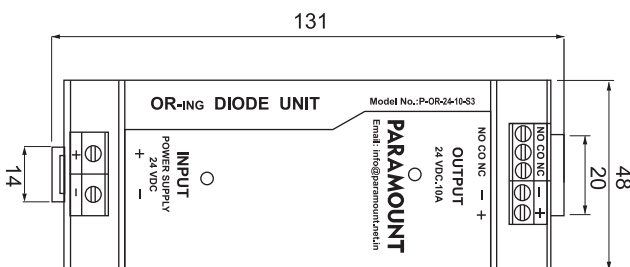
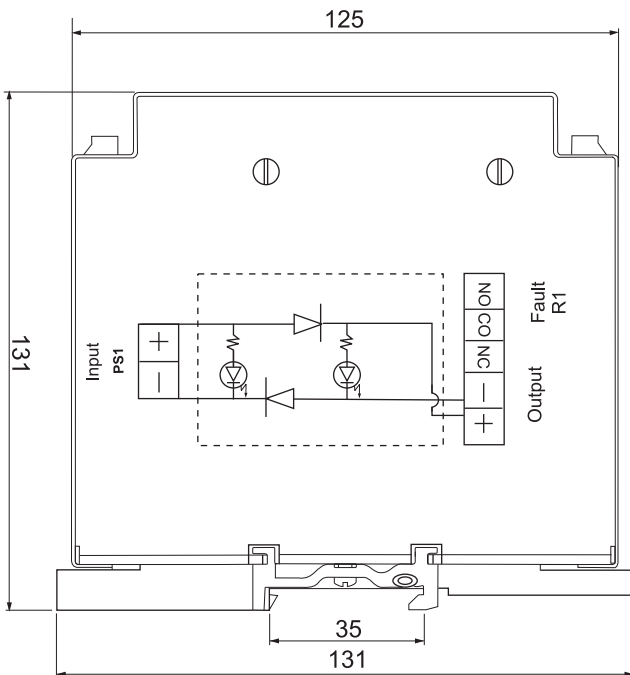
Model No. : P-OR-24-20-A4

Model No. : P-OR-48-20-A4

Model No. : P-OR-110-20-A4

Model No. : P-OR-220-20-A4

### Dimensions in mm



### GENERAL INFORMATION

The Diode Block 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** : 24VDC Supply - 1nos. (standard)  
48VDC Supply - 1nos. (standard)  
110VDC Supply - 1nos. (standard)  
220VDC Supply - 1nos. (standard)

Output Current	Model No.	Current Rating	Voltage
	P-OR-24-20-A4	20 Amps	24 VDC
	P-OR-48-20-A4	20 Amps	48 VDC
	P-OR-120-20-A4	20 Amps	110 VDC
	P-OR-220-20-A4	20 Amps	220 VDC

**Overload** : 10% Max  
**Drop** : 0.65 volts max DC at 20A  
**Di-Electric Strength** : 2 KVAC  
(between Input / Output to body)

**Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC & 5A @ 230VAC  
in case of failure of any one of the  
Input power supply

**Conductor Cross** : 0.20 - 4.0 mm<sup>2</sup> solid

**Section** : 0.20 - 2.5 mm<sup>2</sup> Stranded  
AWG - 24 - 12

**Dimension** : 131 x 48 x 131 (L x B x H) in mm

**Mounting** : 35 mm Din RAIL

**Weight** : 1.2 Kgs. Approx

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

### Approvals



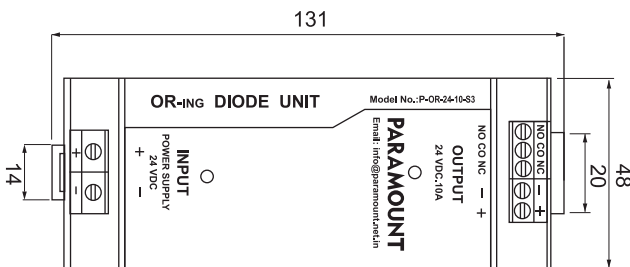
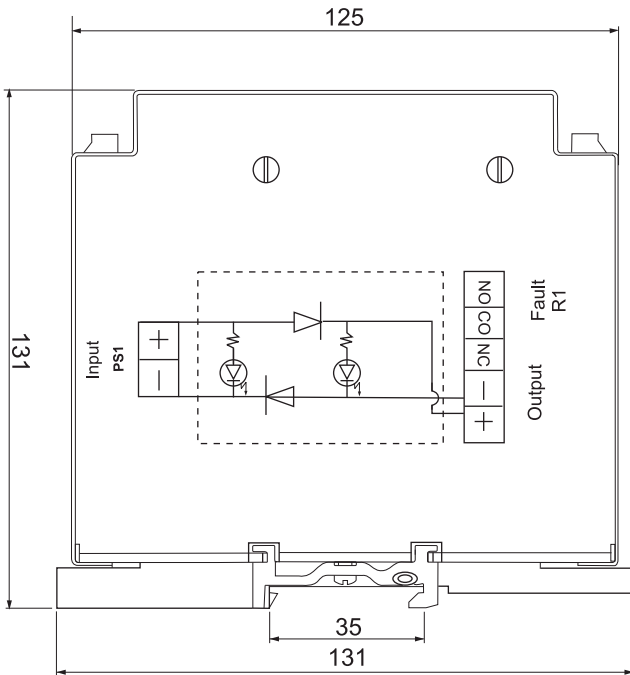


## OR-ING DIODE BLOCK SCREW TYPE

Model No. : P-OR-24-40-A4

Model No. : P-OR-48-40-A4

### Dimensions in mm



### GENERAL INFORMATION

The Diode Block 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** : 24VDC Supply - 1nos. (standard)  
48VDC Supply - 1nos. (standard)
- Output Current** :
- | Model No.     | Current Rating | Voltage |
|---------------|----------------|---------|
| P-OR-24-40-A4 | 40 Amps        | 24 VDC  |
| P-OR-48-40-A4 | 40 Amps        | 48 VDC  |
- Overload** : 10% Max
- Drop** : 0.65 volts max DC at 20A
- Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)
- Insulation Resistance** : 200 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC & 5A @ 230VAC  
in case of failure of any one of the  
Input power supply
- Conductor Cross Section** : 0.20 - 4.0 mm<sup>2</sup> solid  
0.20 - 2.5 mm<sup>2</sup> Stranded  
AWG - 24 - 12
- Dimension** : 131 x 48 x 131 (L x B x H) in mm
- Mounting** : 35 mm Din RAIL
- Weight** : 1.2 Kgs. Approx
- Custom built OR ing units can be designed and built to suit the special requirements.



## OR-ING DIODE BLOCK DETACHABLE TYPE

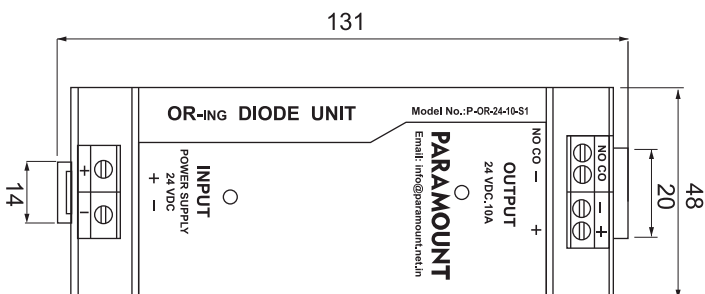
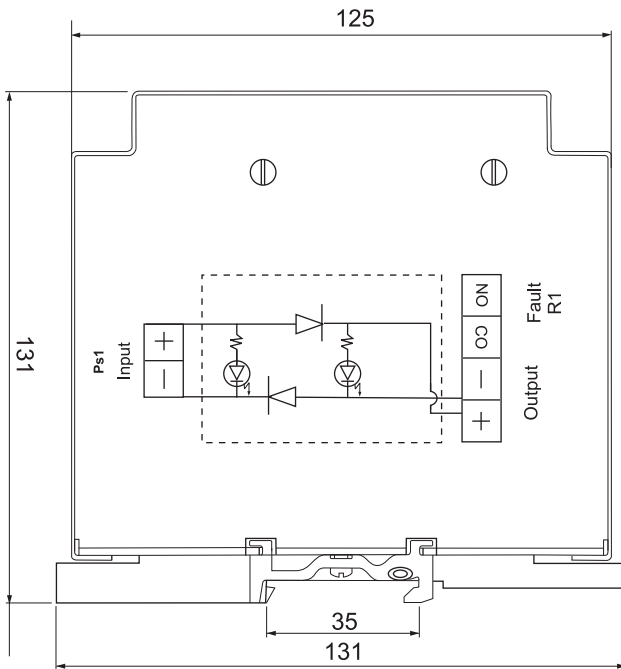
Model No. : P-OR-24-05-S1

Model No. : P-OR-24-10-S1

Model No. : P-OR-48-05-S1

Model No. : P-OR-48-10-S1

### Dimensions in mm



### GENERAL INFORMATION

The Diode Block 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** : 24VDC Supply - 2nos. (standard)  
48VDC Supply - 2nos. (standard)
- Output Current** :
- | Model No.     | Current Rating | Voltage |
|---------------|----------------|---------|
| P-OR-24-05-S1 | 05 Amps        | 24 VDC  |
| P-OR-24-10-S1 | 10 Amps        | 24 VDC  |
| P-OR-48-05-S1 | 05 Amps        | 48 VDC  |
| P-OR-48-10-S1 | 10 Amps        | 48 VDC  |
- Overload** : 10% Max
- Drop** : 0.65 volts max DC at 5A & 10A
- Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)
- Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one 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** : 131 x 48 x 131 (L x B x H) in mm
- Mounting** : 35 mm Din RAIL
- Weight** : 0.5 Kgs. Approx
- Custom built OR ing units can be designed and built to suit the special requirements.

Approvals



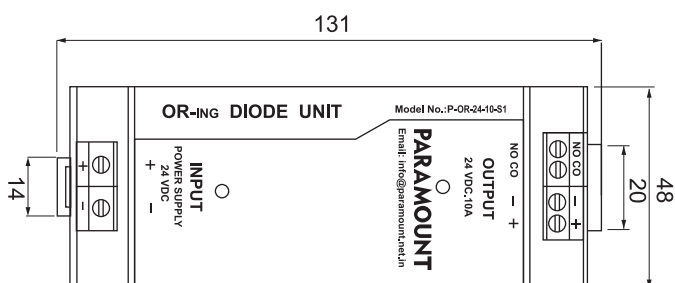
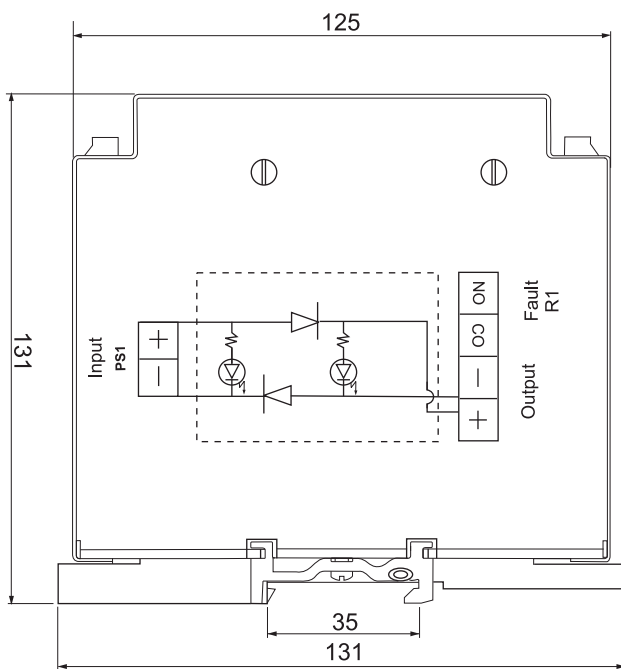


## OR-ING DIODE BLOCK DETACHABLE TYPE

Model No. : P-OR-24-20-S1

Model No. : P-OR-48-20-S1

### Dimensions in mm



### GENERAL INFORMATION

The Diode Block 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** : 24VDC Supply - 2nos. (standard)  
48VDC Supply - 2nos. (standard)
- Output Current** :
- | Model No.     | Current Rating | Voltage |
|---------------|----------------|---------|
| P-OR-24-20-S1 | 20 Amps        | 24 VDC  |
| P-OR-48-20-S1 | 20 Amps        | 48 VDC  |
- Overload** : 10% Max
- Drop** : 0.65 volts max DC at 20A
- Di-Electric Strength** : 1.5 KVAC  
(between Input / Output to body)
- Insulation Resistance** : 100 Mega Ohms @ 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** : 1 N/C Relay Contact  
Rated 5Amps @ 24VDC / 230VAC  
in case of failure of any one of the  
Input power supply
- Conductor Cross** : 0.20 - 4.0 mm<sup>2</sup> solid
- Section** : 0.20 - 4.0 mm<sup>2</sup> Stranded  
AWG - 24 - 10
- Dimension** : 131 x 48 x 131 (L x B x H) in mm
- Mounting** : 35 mm Din RAIL
- Weight** : 0.5 Kgs. Approx

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



**PARAMOUNT**  
EXPECT MORE...

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Specification may change in the view of product improvement without prior intimation.