

Installation Guide

Overview:

Altronix LPD is a convenient way to add a low battery or low power disconnect feature to any 12 or 24VDC power supply rated up to 8A. 12VDC and 24VDC threshold is adjustable for added flexibility.

Specifications:

Input:

- Input voltage: 12VDC or 24VDC max., 8A.

Operating Voltages (factory set):

- Low voltage cutoff:
 - 12VDC: 10.5 volts (+/- 0.3 volts)
 - 24VDC: 20 volts (+/- 0.3 volts).
- Restore voltage threshold:
 - 12VDC: 11.5 volts (+/- 0.3 volts)
 - 24VDC: 23 volts (+/- 0.3 volts).

Relay:

- Relay contact rating 8A max.

Mechanical:

- Product weight (approx.): 0.12 lbs. (0.05 kg).
- Shipping weight (approx.): 0.15 lbs. (0.07 kg).

Board dimensions (W x L x H):

2" x 2.75" x 1" (50.8mm x 69.9mm x 25.4mm)

Voltage Selection Chart:

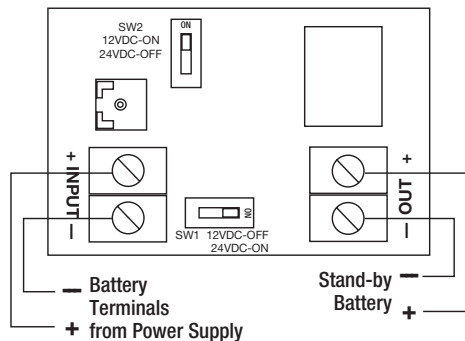
| Output Voltage | SW1 | SW2 |
|----------------|-----|-----|
| 12VDC | OFF | ON |
| 24VDC | ON | OFF |

Installation Instructions:

Low Battery Disconnect Application:

1. Set the LPD to desired operating voltage via SW1 & SW2 (see Voltage Selection Chart).
2. Connect power supply Battery Terminals to the LPD terminals marked [+ INPUT -] (Fig. 1 below).
3. Connect the Stand-by Battery to the LPD terminals marked [- OUT +] (Fig. 1 below).

Fig. 1



Low Power Disconnect Application:

1. Set the LPD to desired operating voltage via SW1 & SW2 (see Voltage Selection Chart).
2. Connect power supply DC Output Terminals to the LPD terminals marked [+ INPUT -] (Fig. 2 below).
3. Connect the device to be powered to the LPD terminals marked [- OUT +] (Fig. 2 below).

Fig. 2

