



Power is knowledge.™

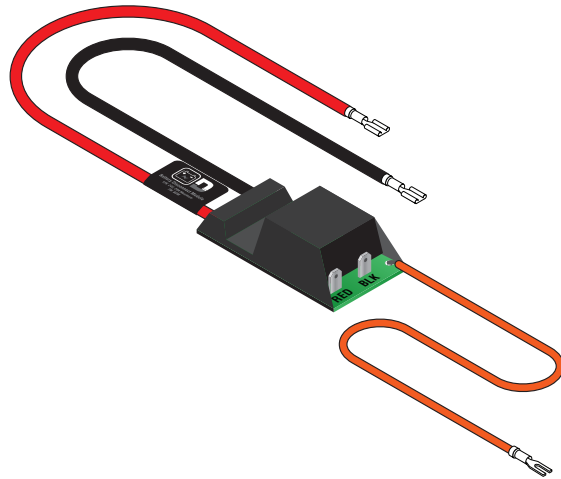
LifeSafetyPower®

Battery Disconnect Module

Low voltage cutoff protection for sensitive electronics



FLEXPOWER®



DESCRIPTION

Designed to protect sensitive reader electronics, controllers, and other devices from the effects of voltage being too low for proper operation, the BDM can prevent permanent damage by disconnecting the battery when the voltage drops to 8.5V (12V battery) or 17V (24V battery).

After cutoff, the battery will remain disconnected (even if the battery voltage rises above 8.5V / 17V) until the AC power is restored and the power supply starts charging the battery once again.

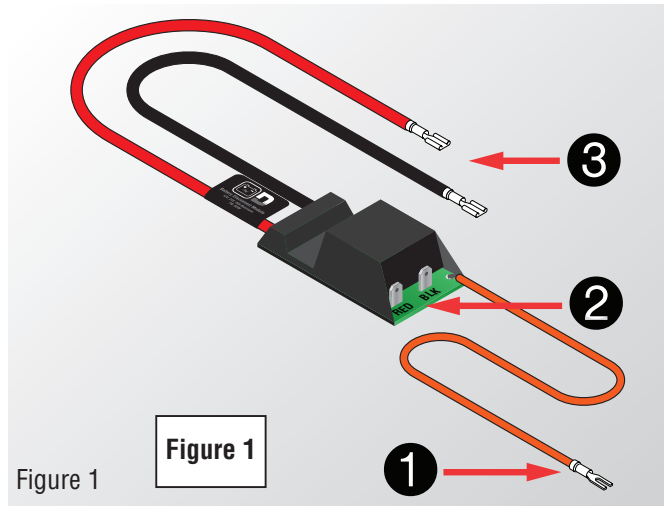
ELECTRICAL RATINGS

| Parameter | Specification |
|-----------------------|----------------|
| 12V Cutoff Voltage | 8.50 V nominal |
| 24V Cutoff Voltage | 17.0 V nominal |
| Amp Pass through | 20A max |
| Operating Temperature | 0 - 49C |

INSTALLATION

The BDM is placed in series with battery cable

1. Connect the orange wire from the BDM to the DC1+ output on the FPO power supply (see figures 2, 3).
2. Connect the red and black battery cable from the FPO Bat+ and FPO Bat- to the terminals on the FPO side of the BDM
3. Connect the battery wires from the BDM to battery set as shown. If battery set is 24V, confirm the presence of orange series jumper.



ORDERING

| Part Number | Description |
|-------------|---------------------------|
| BDM | Battery Disconnect Module |

Figure 2

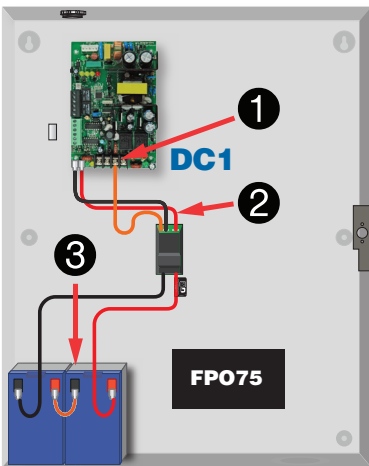
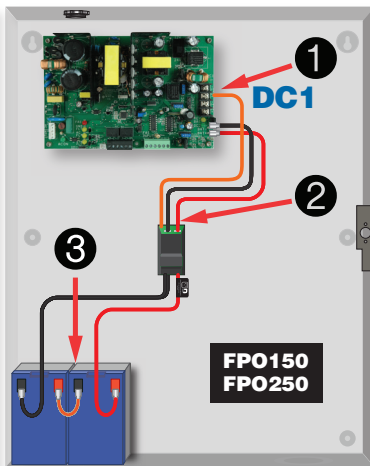


Figure 3



IMPORTANT

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