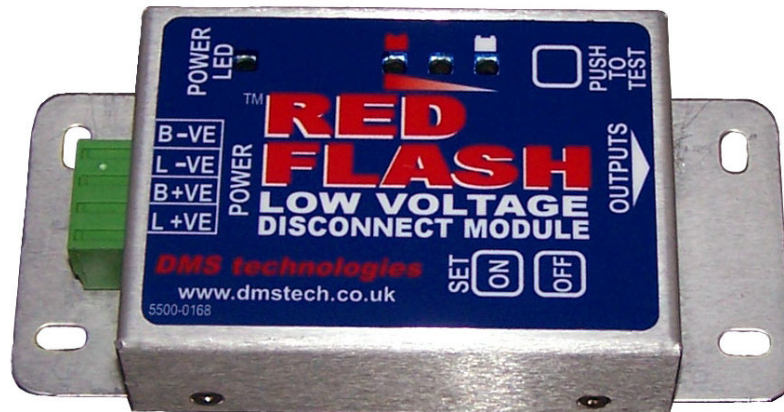


RED FLASH™ 12V & 24V Low Voltage Disconnect



The Low Voltage Disconnect (LVD) Unit is a low power device that can be used to protect batteries from damage and help extend battery life.

The LVD prevents over-discharge and subsequent damage of batteries, regardless of battery technology. There are two models available, designed to operate on either 12V or 24V nominal voltages and have a factory default disconnect voltage of 10.8V or 21.6V.

The disconnect voltage is very easy to set up, requiring only an adjustable power supply. The unit has a very low residual current drain, particularly when compared with other LVD products.

The 3 State of Charge LEDs adjust automatically when on load providing an accurate visual indication of remaining battery capacity.

The multi-pole connector provides access to the functions remotely allowing the user to set up off-board switches and LEDs. It can control currents up to 10A on board and can control an external relay to allow for load currents up to 200A.

The **RED FLASH™** 12V & 24V Low Voltage Disconnect units have the following features:

- Can extend battery life
- Easy Set Up
- 12V or 24V Nominal Voltage
- Adjustable Disconnect Voltage: 9.9V-12.8V or 19.8V-25.6V
- Optional Automatic Reconnect
- Very Low Power Drain
- Remote Indication and Operation
- State of Charge Indication
- Lightweight and Compact
- Wide Operating Temperature
- Fully protected against spikes, surges and reverse polarity connection
- Fully Isolated

Specification

RED FLASH™ Low Voltage Disconnect

	12V	24V
Electrical		
On board Current (Continuous)		10 Amps
Off board Current (Continuous)		200 Amps
System Voltage Range	9V to 15V	18V to 30V:
Default Disconnect Voltage	10.8V	21.6V
Disconnect Voltage Range	9.9V to 12.8V	19.8V to 25.6V
Disconnect Delay		10 to 12 seconds
Current drain		1mA
Protection		10A self-resetting fuse at input
<u>Indication</u>		
Power LED		Green
Push to Test State of Charge LEDs : Green / Yellow / Red	12.8V / 12.4V / 12.0V	25.6V / 24.8V / 24.0V
<u>Connections</u>		
Power		4-way Camden electronics terminal blocks
Remote Output		16-way Molex C-grid III connector
Remote Outputs Available		External relay Push to Test switch All LEDs Remote On and Off switches Auto reconnect
<u>On-board Controls</u>		On switch Off switch Push to Test switch
<u>General</u>		
Operating temperature		-10°C to +60°C
Storage temperature		-40°C to +90°C
State of Charge Indication		3 colour LED display with push to test button
<u>Mechanical</u>		
Housing		Aluminium casing with four mounting points
Dimensions		Length: 129 mm (88 mm Body) Width: 63 mm Height: 27 mm
Weight		125 g

DMS technologies reserves the right to change product specifications without prior notice

RedFlash™ is a trademark of DMS technologies

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