

# STANDARD LOW VOLTAGE DISCONNECT

150A, 200A • 12V DC • IP67



## Description

Electronically senses battery voltage and conserves starting power. Prolongs battery life by preventing battery damage. Automatically disconnects non-critical loads from a battery when the battery voltage falls below a predefined threshold. Automatically reconnects the loads to the battery when the battery is being charged. Automatically prevents the loads from disconnecting during starting. An optional ignition override input is also provided.

Electronics are sealed to IP67, see Installation Instructions IF-156 for mounting and wiring details.

## Features and Benefits

- Overcurrent, short-circuit and over-temperature protections offer safe and reliable operation.
- Eliminates contact wear and extends service life to  $\geq 1,000,000$  On-Off cycles.
- Draws minimal quiescent current of 2mA.
- Pre-disconnect warning is provided by a visual or audible alarm (sold separately).
- Built-in “snooze timer” allows one hour override (factory programmable).
- Manual override option permits a user to make or break the connection, regardless of the battery voltage. (Switch sold separately).

## Specifications Overview

<b>Voltage:</b>	12V
<b>Continuous Current:</b>	48512 – 150A 48510 – 200A
<b>Inrush Current:</b>	500A (for 5 seconds)
<b>Max Quiescent Current:</b>	2mA
<b>Ingress Protection:</b>	IP67
<b>Operating Temperature:</b>	-40° to +85°C (-40° to +185°F)
<b>Stud Terminals</b>	5/16-18
<b>Dimensions:</b>	6.0 x 5.15 x 3.0 (152.4 x 130.8 x 76.2)

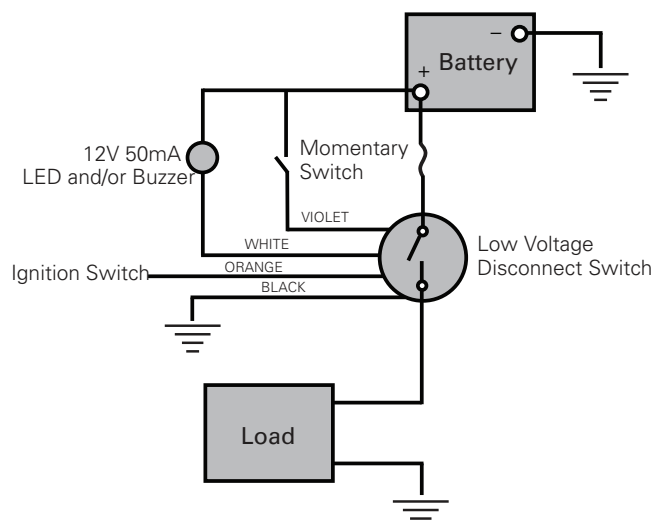
## Web Resources

Download technical resources at:  
[littelfuse.com/StandardLVD](http://littelfuse.com/StandardLVD)

## Ordering Information

PART NUMBER	DESCRIPTION
48512	150A 12V
48510	200A 12V

## Wiring Diagram



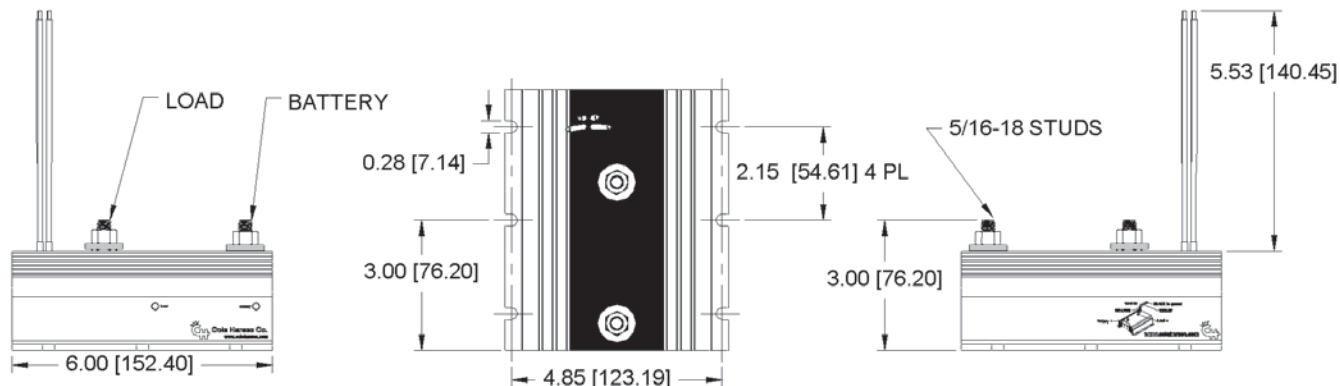
Datasheet Replaces Hotfeed Number D-614

# STANDARD LOW VOLTAGE DISCONNECT

## Specifications

<b>Voltage:</b>	12V
<b>Continuous Current:</b>	150A or 200A
<b>Inrush Current:</b>	500A (for 5 seconds)
<b>Max Quiescent Current:</b>	2mA
<b>Ingress Protection:</b>	IP67
<b>Ignition Protection:</b>	Ignition-proof to ISO 8846
<b>Disconnection:</b>	Disconnects when battery drops below 12.1V for 2 minutes, reconnects when battery meets or exceeds 13.0V for 10 seconds. (Factory programmable)
<b>Alarm:</b>	Active low, 50mA. Activates 1 minute before disconnect. (Factory programmable)
<b>Accuracy:</b>	±100mV.

## Dimensions in Inches (millimeters)



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