HD BI-STABLE RELAY WITH AUXILIARY CONTACTS

Littelfuse

NEW

IGNITION PROTECTED

IP67

IP69K

The HD Series Bi-Stable Relay is designed to supply high continuous current to electrical accessories on a vehicle eg. large invertor loads. It is designed for use in harsh weather, high shock and vibration environments as well as high ambient temperatures. The HD Relay is controlled using a remote switch that is connected to the relay via small gauge cable. The HD Relay delivers high performance in a compact size, perfect for heavy-duty vehicles, lifting, construction & agriculture equipment, military vehicles etc.

Features:

- Remotely-operated device eliminates long runs of heavy cable, minimizes cabling complexity, cost and weight.
- Bi-stable (latched) operation draws no current in On or Off. Eliminates a continuous demand on the batteries.
- Silver alloy contact assure the lowest voltage drop / resistance and extends cycling life of the device.
- Stainless steel hardware and tin-plated copper contacts maximize resistance in harsh environments.
- Eliminates routing of heavy gauge cables to user-accessible mechanical disconnect switches, lowering system costs.
- LED output wire enables remote indication of relay status – Open or Closed.
- Supports high-amp intermittent or continuous current loads.
- Switch illuminated. Actuator red. Text white. IP67. Includes panel seal.



Part Number	Description	Voltage	Continuous Rating	Connector
880086	Relay Module	9-16V	300A	Deutsch 6 Pos DTM
880088	Relay Module	18-32V	300A	Deutsch 6 Pos DTM
880092	Switch SPDT	16V, 32V	20A (On)-Off-(On)	1/4" (6.35mm) QC



Continuous Current: 300A max (4/0 cable)
Inrush Rating: 1500A for 10 secs. (4/0 cable)
Control Current: 7A
Contact Material: Tin Plated Copper
Housing Material: Engineering thermoplastic
Input/Output Studs: 3/8" stainless steel
Mounting Holes: 4 x M5 or #10
Temperature: -50 to +105°C
IP Rating: IP67K / IP69K
Ignition Protection: ISO 8846 & SAE J1171
Vibration: 8G

Dimensions:
155mm (L) x 95mm (W) x 52mm (H).

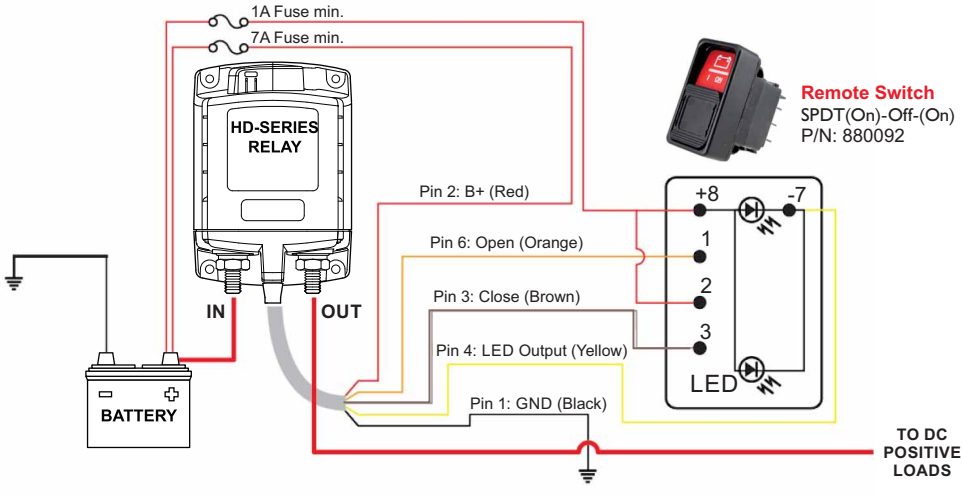
Please refer to page 2 for wiring diagrams.



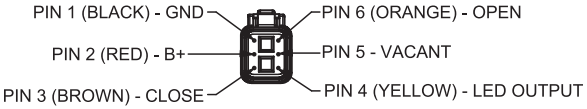
Illuminated Remote Control Switch (P/N: 880092)

Panel Cut Out
36.9 x 21mm

WIRING DIAGRAM



CONNECTOR DETAILS



WIRE HARNESS CONNECTOR
DEUTSCH DTM SERIES DTM 06-6S
MATING P/N: P20-138-1106DI

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