

# HD BI-STABLE RELAY WITH AUXILIARY CONTACTS



**NEW**

**IP69K**

**IP67**

The HD Series Bi-Stable Relay is designed to supply high continuous current to electrical accessories on a vehicle eg. large inverter 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.
- LED output wire enables remote indication of relay on/off status.
- 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.
- Supports high-amp intermittent or continuous current loads.

Part Number	Description	Voltage	Continuous Rating
880086	Relay Module	12V	300A
880088	Relay Module	24V	300A
880092	Remote Switch (IP67)		

**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



## Remote Switch

SPDT(On)-Off-(On)  
P/N: 880092

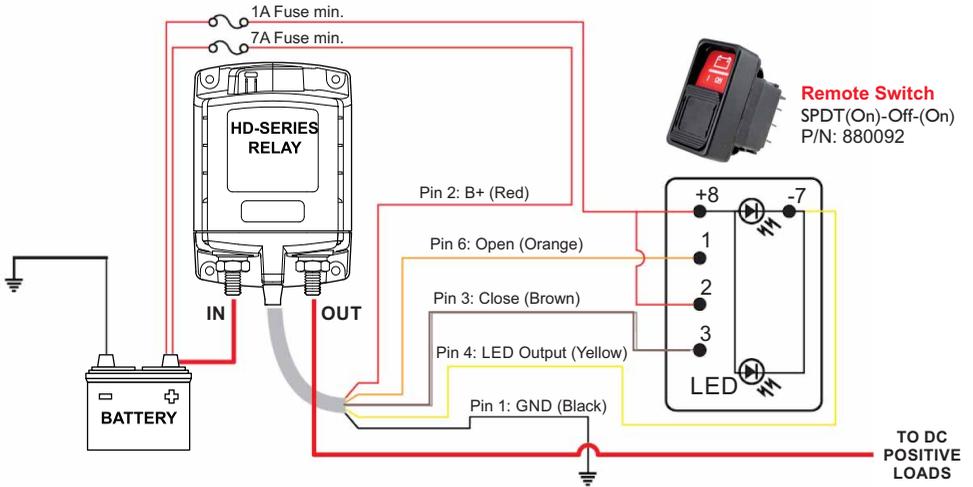


**Please refer to page 2 for wiring diagrams.**

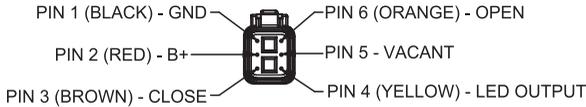
## Dimensions:

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

## WIRING DIAGRAM



## CONNECTOR DETAILS



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