

## HEAVY DUTY TIME DELAY BI-STABLE RELAY

Heavy Duty • 250A • 12V/24V



### Description

The Heavy Duty Time Delay Bi-Stable Relay disconnects the battery from the vehicle electrical system with voltage self-recognition. It has immediate switch ON, controlled switch OFF, programmable delay time, and service state managing (service switch OFF and switch ON). The Heavy Duty Time Delay Bi-Stable Relay has a non-volatile memory, low battery alert system, and is thermal protected.

### Features and Benefits

- UNECE R10 Rev05 compliant
- Built in TE Superseal connector 1.5 series
- Remote command line for normal working (switch)
- Remote command line for SERVICE/EMERGENCY working (push button)
- NORMAL/SERVICE mode selection with power down restore
- Immunity to dirty switches
- Lamp driving line for error/status signaling

### Applications

- Construction
- Military
- Transit
- Heavy Duty Truck
- Agriculture
- Engines with Selective Catalytic Reduction (SCR)

### Web Resources

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

### Specifications

|                                      |                                                                  |
|--------------------------------------|------------------------------------------------------------------|
| <b>Amperage:</b>                     | 250A                                                             |
| <b>Voltage Ratings:</b>              | 12V/24V                                                          |
| <b>Operating Temp:</b>               | -40°C to 100°C                                                   |
| <b>Ingress Protection:</b>           | IP67 X9K                                                         |
| <b>Color:</b>                        | Black                                                            |
| <b>Voltage Range:</b>                | 8.5V to 32V @ 23°C                                               |
| <b>Max. Cranking Current:</b>        | 800A x 30 Sec.                                                   |
| <b>Max. Peak Current (S.C.):</b>     | 2000A x 5 Sec.                                                   |
| <b>Light Line Current Rating:</b>    | 1.3A continuous (6.5A protected)                                 |
| <b>Quiescent Current:</b>            | 0.8mA @ 12V<br>1.5mA @ 24V                                       |
| <b>Input Active Line Current:</b>    | 5mA @ 12V<br>10mA @ 24V                                          |
| <b>Programmable Delay Time:</b>      | 1 Sec to 1 Hour                                                  |
| <b>False Switch Status Immunity:</b> | Detected as open down to 2kohm<br>Detected as closed up to 25ohm |

### Ordering Information

| PART NUMBER | DESCRIPTION                             |
|-------------|-----------------------------------------|
| 08070900    | Programmable Time Delay Bi-Stable Relay |

### Recommended Products



**Part Number:**  
**00227066**  
Sealed Momentary  
Position Switch  
with Cover and  
GREEN LED



**Part Number:**  
**00227068**  
Sealed Momentary  
Position Switch  
With Cover



**Part Number:**  
**00900400**  
Bi-Stable Position  
Switch BLACK



**Part Number:**  
**00900900**  
Momentary  
Position Switch  
RED



**Part Number:**  
**00901000**  
Momentary  
Position Switch  
GREEN



**Part Number:**  
**00900800**  
GREEN LED

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## Dimensions in millimeters

