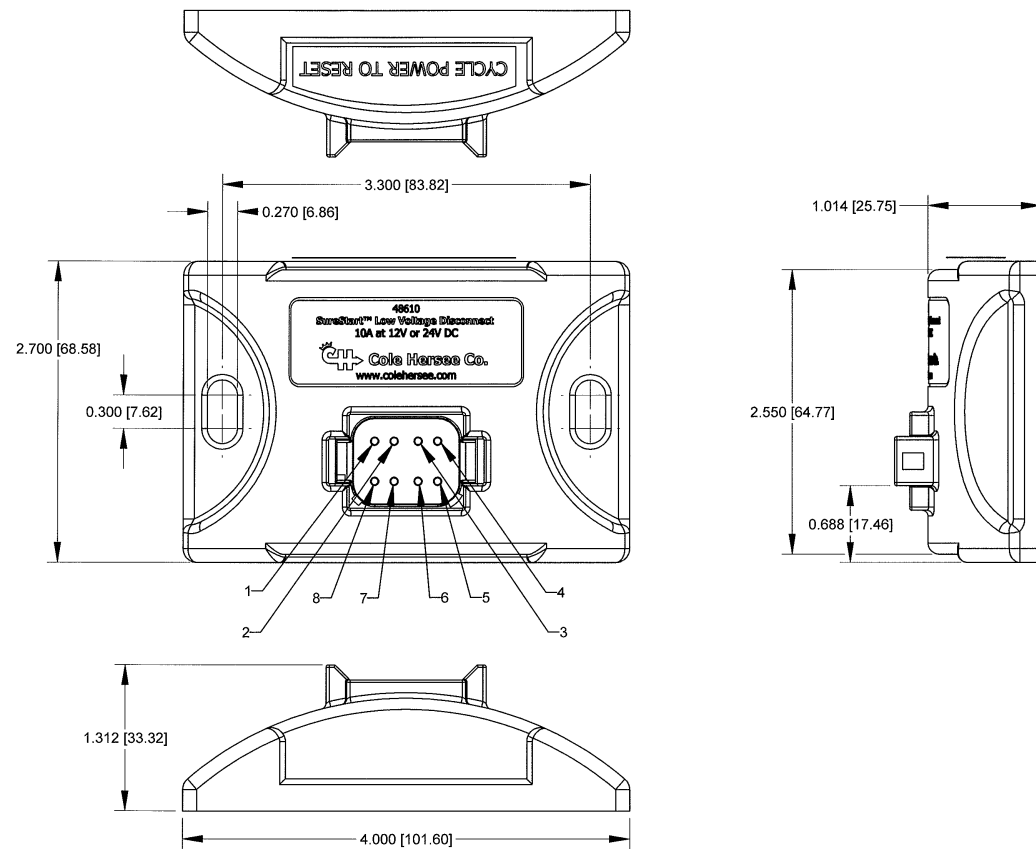


General Specifications

| | |
|--------------------------|---|
| Mating connector: | Deutsch DT06-08S; Amphenol AT06-08S |
| Blanking pin: | Deutsch 114017, Amphenol A114017 |
| Environmental: | SAE J1455 & J1113 |
| Sealed to IP67 | |
| Electrical: | 9-32V DC 10A max Pin 3 current 200 mA max Pin 6 current 2 mA max quiescent current |

Connector pin descriptions:

1. OUTPUT1 TRIGGER
2. GROUND (BATT-)
3. OUTPUT1
4. BATT+
5. OUTPUT2 TRIGGER
6. OUTPUT2
7. REDUNDANT GROUND (BATT-)
8. REDUNDANT GROUND (BATT-)



Submit technical questions to:
CH_Engineering-group@littelfuse.com

FlexMod™ Dual Output Voltage Sensing Relay & Timer (DVSR/T)

48742 Programmable VSRT
For 12V and 24V DC Systems, 10A at 85°C

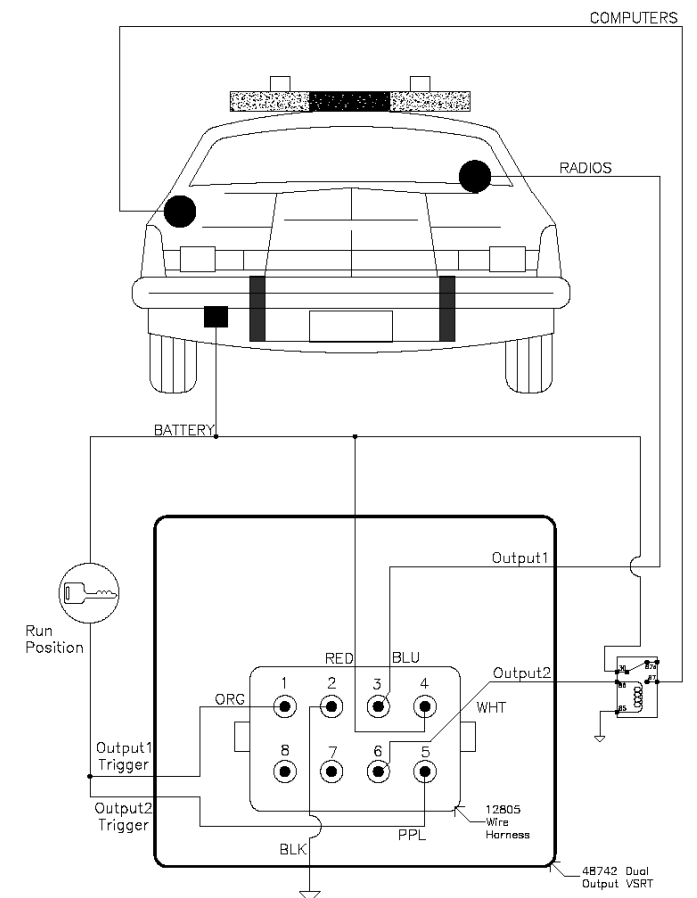


Required Connections

Using the 12805 Mating Connector Kit

Warning: Disconnect the battery before installation.

1. Connect pin 1 (OUTPUT1 Trigger) to a circuit that is energized whenever the ignition switch is in the run position or to a SPST Mom-On switch.
2. Connect pin 2 (BATT -) to ground.
3. Connect pin 3 (OUTPUT1) wire to the positive side of the load (10 amp max). Connect the negative side of the load to a local ground.
4. Connect pin 4 (BATT+) to an appropriately sized fuse. Connect the fuse to the positive terminal of the main battery.
5. Connect Pin 5 (OUTPUT2 Trigger) to a circuit that is energized whenever the ignition switch is in the run position or to a SPST Mom-On switch.
6. Connect Pin 6 (OUTPUT2) wire to the positive side of the load (0.2 amp max). Connect the negative side of the load to a local ground.
7. To ensure proper environmental sealing, all unused connector pins must be sealed with blanking pins. (See specifications section).



Normal Operation Summary

(24V limits in parentheses)

Note: this summary describes the factory default settings. Programmable units may have different voltage and or time delays.

- When the trigger input is energized, the Voltage Sensing Relay Timer will energize the load, solenoid, or relay.
- When the trigger input is switched off, the Voltage Sensing Relay Timer delays for the delay period and then de-energizes the load, solenoid, or relay. If during the delay, the battery voltage drops below the factory set disconnect voltage for one minute, the load, solenoid, or relay will be de-energized.

Additional Operating Details

(24V limits in parentheses)

Overcurrent Protection

Warning. Only pin 3 is overcurrent protected, pin 6 is not overcurrent protected. Exceeding 0.2 amps on pin 6 will render the entire module permanently inoperable.

- If the PIN 3 current exceeds 15 amps for one second, Pin 3 will be turned off. To reset from this fault, the Timer must be powered down.

Abnormal Voltage

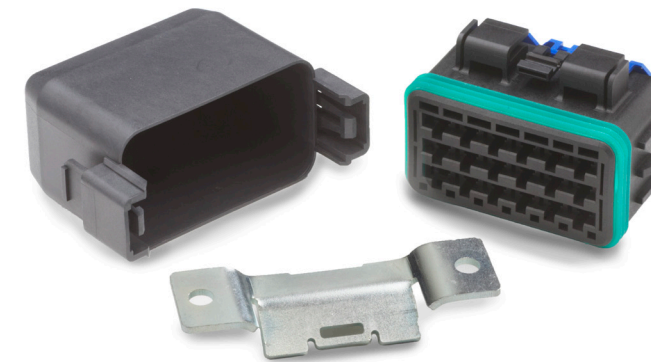
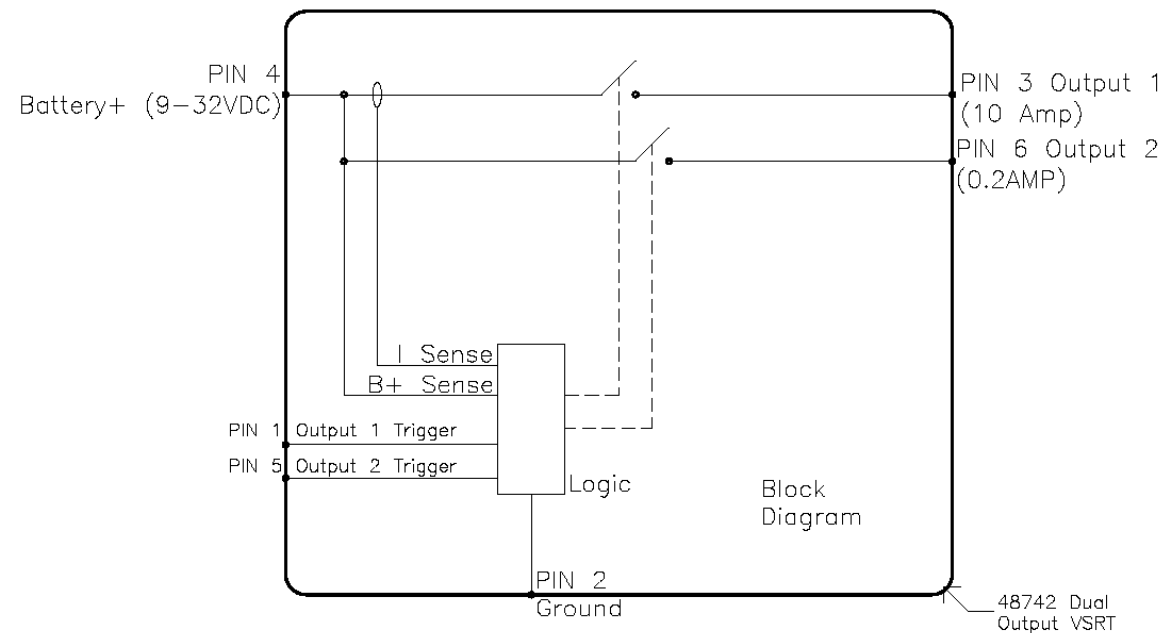
If the BATT+ voltage is less than 8.5V (16V) or greater than 17V (34V), PIN 3 (OUTPUT1) and PIN 6 (OUTPUT2) will be turned off. The Timer will auto-recover when BATT+ returns to normal.

Programmable Version

Use Cole Hersee Programmer Kit 48650 using cable assembly 65373 (included in kit).

VSR/T Accessories available from Cole Hersee

| | |
|--------------|----------------------------------|
| 12805 | Mating connector kit |
| 58311-02 | SPST Momentary Rocker Switch |
| 55020-02 | Toggle switch |
| 55025 | IP67 sealed toggle switch |
| 9216-03 | Momentary switch |
| 9187-02 | Momentary pushbutton switch |
| 24059 | Insulated 12V 85A solenoid |
| 24106 | Grounded 12V 85A solenoid |
| 24213 | Insulated 12V 200A solenoid |
| 24063 | Insulated 24V 85A solenoid |
| 24124 | Grounded 24V 85A solenoid |
| 24214 | Insulated 24V 200A solenoid |
| RA-400112-RN | 12V, 40A, form A Relay |
| HWB 18 | Sealed Power Distribution Module |



HWB18 Sealed Power Distribution Module