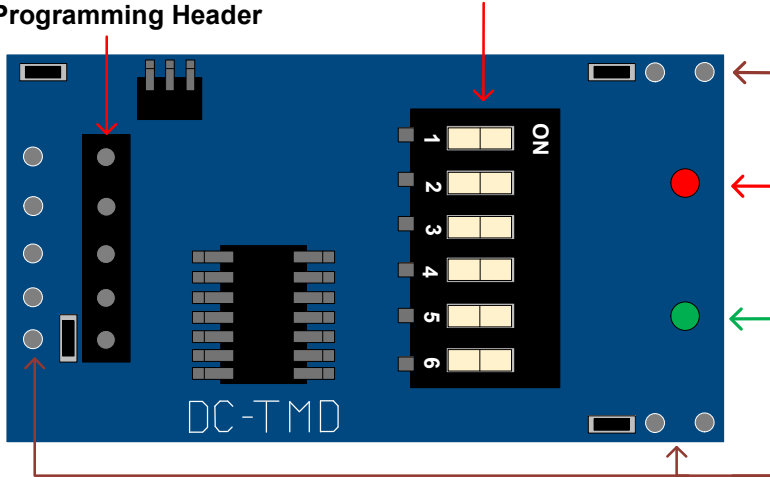


### Six Position DIP Switch

- Positions 1 to 4 control the timed interval
- Position 5 controls the Ignition Sense function
- Position 6 controls the Low Voltage Disconnect

### Programming Header



**Warning!** The Timer Logic Card is only rated for use in AFS Power Series Fuse Panels, it should not be used in any other application.

### Communication Connector to Motherboard

#### Red LED Fault Status

- Off: No Faults
- Slow Flashing 15 Seconds: Low Voltage is occurring
- Steady Red: Under Voltage has occurred
- Rapid Flash: Over Voltage has occurred

#### Green LED Timer Status

- Solid Green: Ignition On
- Flashing Green: Timed Mode
- Off: Outputs Off

### Low Voltage Disconnect

In order to ensure that a temporary load does not create a nuisance shut-down the timer will wait 15 seconds before disconnecting the circuit. DIP switch #6 controls the Low Voltage Disconnect, please note that the DIP switch settings should only be changed when the device is powered down.

### Over Voltage Protection

The device immediately disconnects the circuit when voltage exceeds 18 VDC. The device monitors the voltage and it will reset when the voltage returns to less than 18 VDC.

### Infinite Mode

Setting the timer to Infinite Mode allows computers and radios to stand by for immediate response. When Infinite Mode is selected the device will only disconnect when the voltage falls below the low voltage setting. When the vehicle voltage recovers to 11.9 VDC or greater the device will reset. In order to change between Infinite Mode and Timed Delay the power must be removed from the timer, this allows the program to see the Infinite Mode setting. When the timer is in Infinite Mode the diagnostic LEDs will clear the trouble signal when the condition no longer exists. In Timed Mode the diagnostic LEDs will remain on for three ignition cycles.

### Ignition Override

Turning on the vehicle's ignition will activate the timer. The vehicle will not disconnect the output for low voltage when the ignition is on; however, it will disconnect for over voltage regardless of the ignition status. The timer senses ignition when voltage is applied to the input terminal, or when DIP switch #5 is "ON" and the vehicle voltage is above 13.0 VDC (Ignition Optional feature).

### Loose Connections

Loose connections anywhere in the vehicle's electrical system can create voltage spikes as loads are temporarily disconnected. Nuisance disconnects will typically occur after vehicle servicing or while driving on rough roads. Utilize a power probe or similar tool to check for voltage drop or impedance on the ground typical of loose connections.

### Specifications: Software PS-6DV3-01 11-08-25

Low Voltage Disconnect:	11.0 VDC #6 Off
(Position 6 on the DIP Switch)	11.75 VDC #6 On
High Voltage Disconnect:	18.0 VDC
Disconnect Tolerance:	+/- 0.25V DC
Override Low Voltage:	Ignition On
Ignition Wire Required:	DIP switch #5 Off
Ignition Wire Optional:	DIP switch #5 On
Ignition On Voltage Set Point:	13.0 VDC
Ignition Off Voltage Set Point:	12.8 VDC
Stand by Current:	5 mA
Load Current Rating:	Logic Only
Minimum Time Delay:	1 Minute
Time Intervals:	16 Intervals
Time Interval Tolerance:	1%
Selectable Delay:	1 Min. to 24 Hr.

Circuit Protection for the timer includes: Surge, Brownout, Static, Spike, and Reverse Polarity.

### Installation Notes & Best Practices

- Complete all installations with the vehicle battery power and ground lines disconnected.
- Use proper fusing or an unsafe condition may occur.
- Utilize a Run/Start circuit for the ignition sense (12v+) to prevent interruption of the signal while starting the vehicle.
- The Time Interval should be set while the timer is not connected to either power or ignition feeds.
- The amperage of the timed outputs is determined by the motherboard. Please consult those instructions.
- To clear a fault code on the LEDs remove the ground wire or cycle the ignition four times.

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