

TMR-30N Installation/Operation Manual

Install TMR-30N power timer at any location in the vehicle and wire according to the drawing below. In the auto sense mode (ORANGE wire not connected) TMR-30N senses the charging system pick-up (engine running) to turn equipment on. TMR-30N starts timing when the engine stops. Low Voltage Disconnect is activated when the battery voltage falls below 10.5 volts for 25 seconds. High Voltage Disconnect occurs when the battery voltage exceeds 16.5 volts (3 second delay to prevent nuisance trip during load dumps, charging system start-up).

If the ORANGE wire is connected to a circuit that is hot when the ignition switch is on, your equipment will come on immediately with the ignition and timed disconnect will not occur. This configuration is recommended for emergency service vehicles to guarantee equipment operation during high electrical load conditions while idling.

There are two LEDs which function as follows:

Green LED:

- Steady: Output power, no timing
- Flashing: Output power, timing

Red LED:

- Steady: No output power, timed out
- Flashing: No output power, low voltage (<10.5V)

Specifications

Rating: 12V nominal, 30 amps,
13 mA standby current

Protection: Low and high voltage disconnect
Low < 10.5V with 10 second delay
High > 16.5V with 3 second delay

Operating Temp: -20 to +80° C

Setting Time Delay:

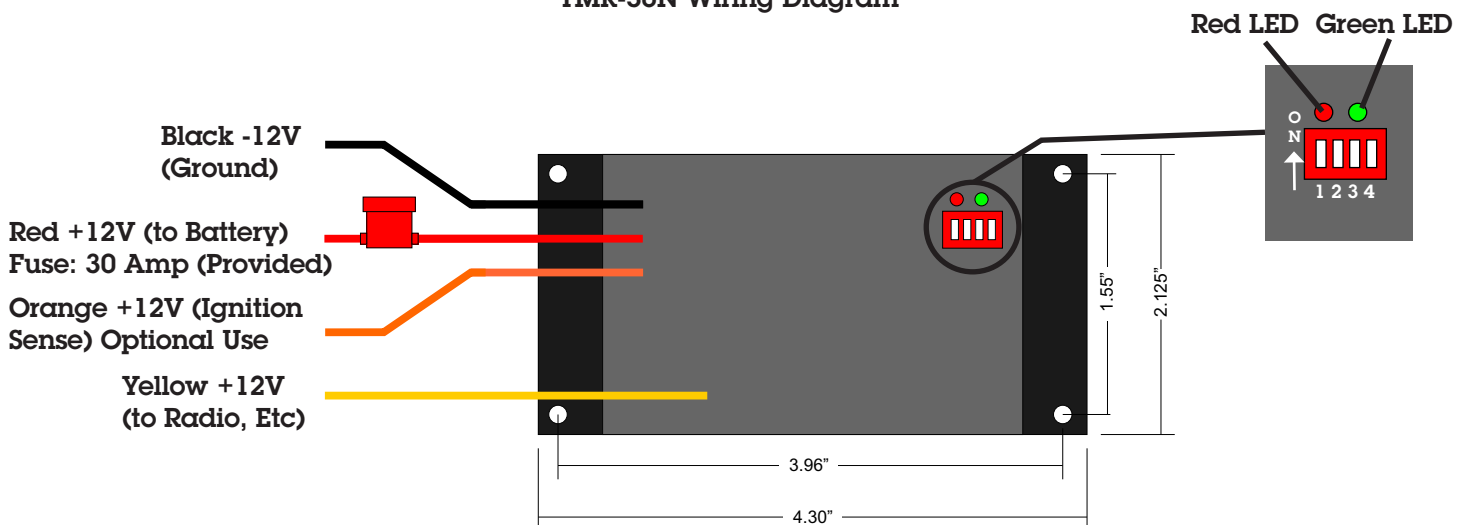
The time delay switches are on the top of the timer, see illustration. See table below for switch positions/timer periods.

Switches should not be changed while ignition is active. Ignition must be cycled before a new switch setting becomes active.

DIP Switch				Time Setting
1	2	3	4	
OFF	OFF	OFF	OFF	6 Minutes*
OFF	OFF	OFF	ON	15 Minutes
OFF	ON	OFF	OFF	18 Minutes
ON	OFF	OFF	OFF	24 Minutes
OFF	OFF	ON	OFF	30 Minutes
OFF	ON	OFF	ON	45 Minutes
ON	OFF	OFF	ON	1 Hour
OFF	ON	ON	OFF	1-1/2 Hours
ON	OFF	ON	OFF	2 Hours
OFF	ON	ON	ON	3 Hours
ON	ON	ON	OFF	4 Hours
ON	ON	ON	ON	8 Hours

* Factory Default

TMR-30N Wiring Diagram



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M-TMR30N
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