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## TS50 Emergency Vehicle Warning Systems

### General Description

Improve emergency crew response time by giving advanced warning to drivers that emergency vehicles are departing the fire station. The Emergency Vehicle Warning System consists of two 12" LED flashing yellow beacons and a diamond-shaped flashing or unlighted traffic sign. The system can be activated by the optical emitters used by most fire department emergency vehicles to control traffic signals en route to an accident. Additional activation methods include a wireless keyfob transmitter, push-button transmitter, or in-station transmitter.

### Features

- MUTCD Compliant.
- Flash rate per MUTCD guidelines.
- Two 12" LED yellow pixelated beacons with aluminum housings, visors and back plates.
- Flashing or unlighted traffic sign.
- LED life expectancy over 100,000 hours.
- Solar or AC powered.
- Day and night visibility.
- Multiple activation options.
- Fast, easy installation.
- Keyed on/off switch.
- Easy battery replacement in field.
- Multiple mounting hardware options.

### Specifications

- Beacon: Two 12" LED yellow pixelated beacons. 5W.
- Traffic Sign: 30" yellow diamond-shaped. Lighted with flashing LEDs or unlighted. Black fire truck symbol or "EMERGENCY VEHICLES EXITING WHEN FLASHING".
- Sign Reflective Sheeting: Type IX reflective sheeting.
- Sign Construction: .080 highway grade aluminum/stainless fasteners.
- Circuitry Technology: Sealed PCB technology, micro-controller circuitry, flash rate 50 to 60 times per minute.
- Solar/AC/Battery Specifications (depending on model): 12 volt polycrystalline solar cell (sized to average activations), 12 volt SLA battery (2 to 4-year battery life), AC power.
- Optional Activation Methods: Tomar detector, keyfob transmitter, push-button transmitter, in-station transmitter.
- Optional Tomar Low Current Strobeswitch Detector (SSDL-1014): Activated by the optical emitters used by most fire department emergency vehicles to control traffic signals. Typical vehicle range of 200 ft.
- Aluminum housing surrounding beacon can be yellow or black.
- Optional pole: 2" square Telespar or 4.5" round aluminum.
- Warranty: 10 year solar collector panel, 5 year sign construction, 2 year PCB/LED technology, 1 year battery.



*TS50-S12DB:  
Shown with  
lighted  
traffic sign*



*Optional Tomar  
Detector*



*TS50-S12DB:  
Shown with  
unlighted traf-  
fic sign*

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### Pole Options

#### Telespar Poles:

The Telespar Pole is 2" x 2" and is available in 8', 10' or 12' lengths. We offer a 5' x 2.25" sleeve. The Telespar pole and sleeve combination is considered a breakaway system.



#### Aluminum Pole System:

Our 4.5" Aluminum Pole System has a clean and professional look, with the added security of a required breakaway pole application. It is approved by the FDOT and meets MUTCD requirements. Our Aluminum Pole System is available in 10', 12' or 14' lengths. A pole cap is included along with 4 galvanized 3/4" x 18" anchor bolts.

### Cabinet Options

#### Fiberglass Locking Box (included):

- Dimensions: Varies per system.
- UL Listed: NEMA Type 4X.
- Lockable quick release latch.



#### Aluminum Locking Box:

- Dimensions: 20.625" x 17.5" x 12".
- UL Listed: UL 508A, NEMA 3R (standard) NEMA 3R, NEMA 4, NEMA 4X.
- Weight: 22 lb.



### Wireless Options

#### Wireless Communication Between Signs w/ Wired Activation

- Activation buttons not included.

### Timer Options

#### Standard 7 Day Timer: Model Intermatic FM1D14 or Similar

- 24/7 timer suited for timing applications needing a daily or weekly schedule.
- Allows multiple times of day to be set for the sign to run (e.g., the sign timed to turn on from 8am - 10am and again from 8pm - 10pm, 7 days a week).



#### Deluxe 365 Day Timer: Model Eltec TC-18 or Similar

- Like the standard timer, this timer allows multiple times of day to be set for the sign to run.
- In addition, timer can be programmed to have specific days that the sign will not turn on (e.g., weekends, holidays, institute days, summer break, etc.).



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