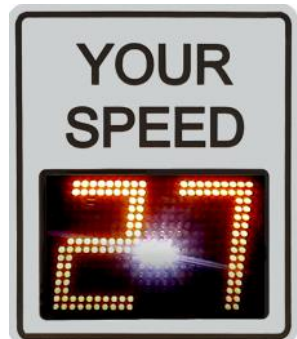


One Sign...  
Multiple Applications



TC-600 Full Matrix Radar Speed Sign  
Reliable. Effective. Affordable



**NEW! Hyper-Alerts™**  
See page 4



Certified Quality System  
ISO 9001:2015



100% MUTCD Compliant  
Radar Speed Signs



Proudly Engineered &  
Manufactured in the USA

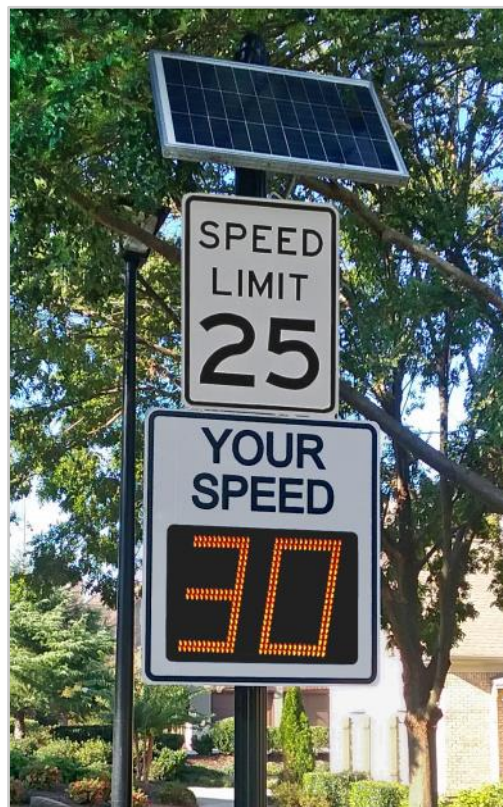
## Display and Radar Specifications

### YOUR SPEED Faceplate

- . 28"W x 33"H YOUR SPEED faceplate with 4" high lettering
- . MUTCD compliant colors and reflectivity
- . Ideal for roads with traffic speeds of 5-70 mph
- . Available in white, fluorescent yellow/green, or safety orange

### Speed Violator Alerts

- . Standard alerts include:
  - Slow flash of actual speed, fast flash of actual speed, SLOW DOWN message, or TOO FAST message; Can be combined in multiple ways.
- . Optional alert choices:
  - . SHARP CURVE
  - . Chevrons (right or left facing)
  - . Smiley face
  - . Fine alert
  - . Red/blue strobe (alternating)
  - . Simulated camera flash and white strobe
- . Display speed and word message alerts alternately or individually, based on speed settings
- . Display on-off feature allows traffic data collection continue even when the display is off (stealth mode)



### Radar

- . Type: K Band, single direction Doppler radar, FCC part 15 compliant; no license required
- . Sensor Range: Detects vehicles up to 1200 feet
- . Beam Width: 12 degrees, +/- 2 degrees
- . Operating Frequency: 24.125 GHz, +/- 50 MHz
- . Accuracy: +/- 1.0 mph
- . Speed Detection Range: 5 - 127 mph

## Power Options / Battery Specifications

### TC-600S (Solar Powered)

- . Solar Panel Output: 50 watt standard, 65 watt optional
- . Power Supply: Two 12-volt, 18 amp/hour AGM batteries (UL recognized); provides up to 14 days of backup operation
- . Solar Charge Controller: Manages the flow of solar energy input (up to 85w) from solar panel to battery
- . Pole Mount Solar Bracket: Side of pole mount with adjustable angle bracket
- . Low battery cut-off feature provides intelligent battery management
- . Battery Status: Via Wi-Fi can check battery charge levels and solar amperage
- . Power Consumption: < 2.0 amps in active mode; Idle mode < 1/2 watt
- . Circuit Breaker: Multi-circuit, 3x10 amp fuses

### TC-600A (AC Powered)

- . Power Supply: Hard wire to 100V-240V power supply
- . Power Consumption: < 2.0 amps in active mode; Idle mode < 1/2 watt
- . Circuit Breaker: Multi-circuit, 10 amp fuse

## Weight

- . TC-600S (Solar Powered): 41 lbs., (67 lbs. with batteries)
- . TC-600A (AC Powered): 41 lbs.

## Operating Temperature

Operating Temperature: -40°F to +160°F

## Housing Specifications

### Radar Speed Sign Housing

- . Dimensions: 18.5"H x 26.25" W x 5.0"D
- . Thickness: .1875" to .25" thick, heavy-duty aluminum
- . NEMA 4 level compliant
- . Humidity Maximum: 100%
- . Non-sealed and ventilated
- . Single housing design means no separate battery box to mount
- . Provides maximum protection from the elements and vandalism

### LEDs

- . 2 digits, 13" high super bright amber full matrix LEDs (life up to 100,000 hours)
- . Easily readable up to 600 feet
- . Automatic intensity adjustment to ambient light conditions for maximum visibility
- . Provides directed viewing or display to oncoming traffic

### Polycarbonate Display Cover

- . .25" thick protective sheet covers entire display area
- . Abrasion, graffiti and shatter resistant; UV protection

### Bashplate® with LED Cones

- . Internal .375" aluminum shield over LED display to protect components from abuse or vandalism
- . Individual holes for each LED focus and reflect light toward the road, providing the highest quality viewable display with minimum energy usage.

## Standard Features

- . "Possum Switch" activation feature allows the sign to "play dead" for 30 minutes if attacked with force
- . On/Off Timer Options: 4 timers per day, and by day of week. Settings allow lower speed limits for school zone times and for late night display shutoff.
- . Display On/Off: Allows traffic data collection to continue even when display is off
- . Display Brightness Control: Auto adjusts to light conditions
- . Setup Functions: Easy to follow menu, no mechanical switches to operate
- . Maximum Speed Cutoff: Prevents unwanted high speed displays; up to 99 mph; discourages "racing" of sign. Choice of flashing matrix, or LED display cutoff

### Wi-Fi Enabled

- . Allows access to program signs from most web enabled devices (Apple, Android, Windows, etc.)
- . WPA2 encrypted security; Password protection
- . Connection range up to 300 feet from sign

**OTA Software Updates** (over-the-air) Allows the wireless delivery of software updates and upgrades directly to the radar speed sign

## Traffic Data Reporting

### StreetSmart (optional)

- . Traffic data reporting software to report, organize and analyze speed and traffic data. The information collected by the radar speed sign is loaded into Excel™ ready .csv files, and can generate 35 charts and graphs.

### Radar Speed Sign Data Storage:

- . System Storage Capacity: stores data on up to 5 million vehicles. Retains data for retrieval for 12 months

## Warranty

- . 2 year warranty on parts and labor, including batteries. Exceptions: Does not cover malicious abuse, theft, or damage due to unauthorized modification. Optional third year warranty extension available.





# Hyper-Alerts™

## Compact Flash Technology

Hyper-Alerts™ are compact clusters of LED lights built right into the "Your Speed" faceplate of the TC-600 model, delivering a significantly more compact solution than traditional beacons. By clustering the LEDs into a smaller footprint, the same light from a typical flasher becomes an urgent notification for the driver.

### Application

Perfect for use in pedestrian-heavy environments such as school zones, business campuses, military bases and anywhere else there is an urgency to slow drivers.

### Raised Awareness

The LED clusters deliver the same luminescence as a 12" beacon, only in a more compact surface. This results in an "impossible to ignore alert" even 1000 feet from the sign.

### Cost Effective

Instead of having to choose between flashing beacons or a radar speed sign, now you can have both alerts for slightly more than the price of either one. The LED clusters are built right into the YOUR SPEED faceplate (30"W x 36"H"), resulting in a more compact system that is far easier to install. This upgrade offers a cost-effective solution to provide the maximum traffic calming effect on speeding drivers.

### Design

- Industrial construction with sleek design is in stark contrast to the individual, bulky, piece-meal look of traditional beacons
- Dual high-intensity amber LED clusters
- Meets ITE guidelines for brightness use in school zones
- LED luminosity: 3000 mcd minimum – 12000 mcd maximum
- 68 LEDs per alert, highly viewable at 1000 feet
- Flash patterns: MUTCD standard (.5 second on, .5 second off); 60 fpm, Wig-Wag (alternating); Custom patterns available

### Scheduling Flexibility

- Programmable for an entire year in advance, by date and time, using our Advanced Scheduler/Timer
- Hyper-Alerts™ can be activated based on time of day, by speed, or by both

### Solar Power Output with Hyper-Alert™ Option

- 50/65 watt solar panel for maximum 4 hour daily operation, weekdays (larger panel for higher volume roads, and colder climates)
- 65/85 watt for maximum 10 hour daily operation, weekdays (larger panel for higher volume roads, and colder climates)
- 120 watt for 24/7 continuous operation

### Weight

- TC-600S with Hyper-Alerts™: 47 lbs., (73 w/ batteries)
- TC-600A (AC Powered) with Hyper-Alerts™: 47 lbs.

*The Hyper-Alert™ option is available on a new TC-600 sign, or as a retrofit of an existing sign; Existing sign must be returned to Radarsign for the retrofit.*

