

### TC-400 Battery Power Model

The battery model has a modular design with a front radar speed sign housing and a rear battery housing that detach from each other so the sign can be easily moved and used in different locations.



#### Power

- Operates +/- 2 weeks on 2 fully charged batteries | 10 hour recharge period
- Power Supply: Dual 12-volt, 20 amp/hour, Lithium Iron Phosphate (LiFePO4) batteries with 3A charger
- Power Consumption: < 2.0 amps (20w) at max display intensity
- Idle mode: < 1/2 watt
- Batteries have internal short circuit, over current, under and over voltage protection
- Battery Status: Check battery charge levels via Wi-Fi

#### Electronics

- All power inputs are fused and reverse polarity protected
- All circuit boards are conformally coated for extra protection
- Sign has automatic reset and watch-dog circuitry to return to normal operation without user intervention

#### LED Display

- 11" tall speed display numbers | 2 digit capable
- Speed digits easily readable up to 400 feet
- Ideal for roads with traffic speeds of 5-55 mph
- Super bright amber LEDs | Life up to 100,000 hours
- Laser cut flat black mask enhances visibility of LED display when illuminated | Ensures completely dark display when LEDs are off
- Display brightness fully automatic or user adjustable

#### Speed Violator Alerts

- Standard alerts: SPEED (3 flash rate options)
- Speed display flash rates: MUTCD flash (approx. 55-60 fpm) | slow flash (approx. 90 fpm) | fast flash (approx. 140 fpm)
- *Optional* strobe alerts - *Choice of one*: alternating red/blue strobe alert or white strobe alert (can simulate a camera flash)

#### YOUR SPEED Faceplate

- 24"W x 21"H YOUR SPEED faceplate with 3" high lettering
- Manufactured with highest grade reflectivity backing
- Available in white | yellow | fluorescent yellow/green | safety orange

#### 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 | 8-198 kph

### TC-400 AC Power Model

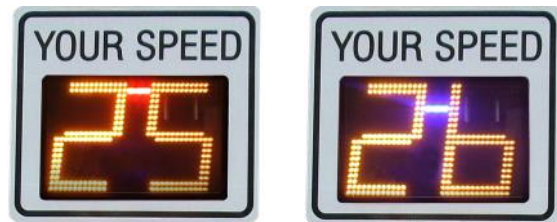
The AC model has a radar speed sign housing only and is wired for an AC power connection | For use in parking decks and indoor warehouse locations.



#### Power

- Operates 24/7 with AC power supply
- Power Supply: Hard wire to 100V-240V power supply
- Power Consumption: < 2.0 amps (20w) at maximum display intensity
- Idle mode: < 1/2 watt
- Circuit Breaker: Multi-circuit, 10 amp fuse

TC-400 with Speed and Strobe Alerts



### **Radar Speed Sign Housing**

- Dimensions: 16.25"H x 22.75"W x 2.375"D
- Thickness: .185" thick aluminum, silver powder coat finish
- NEMA 3R level compliant
- Humidity Maximum: 100%

### **Battery Housing and Batteries (battery power model only)**

- Dimensions: 12.5"H x 17"W x 3.625"D
- Thickness: .185" thick aluminum, silver powder coat finish
- Holds up to two field exchangeable 12-volt batteries
- Battery weight: 6 lbs. each

### **Mounting Bracket**

- Battery power sign: Universal mounting bracket (12.75"H x 4.5"W x 2.9"D) | Allows strapping, banding, pipe clamps, or bolting to almost any size or style of pole | Sign installation takes less than one minute with pre-installed brackets | NO TOOLS required
- AC power sign: Stainless steel universal pivot mounting bracket | Allows 8 degree forward and back tilt | For use in mounting radar speed signs on any pole using bolts or banding

### **Weights & Operating Temperature**

- TC-400 battery power radar speed sign and battery housing: 24 lbs. | with batteries 36 lbs.
- TC-400 AC radar speed sign: 15 lbs.
- Operating temperature: -40°F to +160°F

### **Standard Features on All Radarsign Brand Models**

#### **Bashplate™ with Integrated LED Reflector Cones**

- Heavy duty aluminum shield over LED display to protect components from abuse or vandalism
- Directional beam technology, Radarsign's proprietary design, includes beveled cones around each LED, magnifying the intensity of the light and providing the highest quality viewable display with minimum energy usage

#### **Polycarbonate Display Cover**

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

#### **Wi-Fi Enabled**

- Radar speed sign emits it's own Wi-Fi signal | No internet required | Manage sign with smart phone, tablet, or laptop
- Connection range up to 300 feet from sign
- Allows for quick and easy sign operation and data download from most web enabled devices
- Speed is 10x faster and has 10x the range of Bluetooth
- WPA2 encrypted security | Password protected
- OTA software updates (over-the-air) allow the wireless delivery of software updates and upgrades directly to the radar sign

#### **Standard Programming**

- Setup functions: Easy to follow digital menu | No mechanical switches to operate
- Daily timers: Allow 5 on/off timer settings per day (4 timers plus the standard setting), also by day of week | Settings allow for lower speed limits for school zone times
- Stealth mode: Display on/off feature allows traffic data collection to continue even when the display is off
- Possum Switch™: Feature allows the sign to "play dead" for 30 minutes if attacked with force
- Maximum speed cutoff: Feature prevents "racing" of sign at high speeds | Choice of flashing dashes or LED display cutoff

#### **Warranty**

- 2 years on parts and labor, 1 year on batteries | *Exceptions:* Does not cover malicious abuse, theft, or damage due to unauthorized modification | *Optional* third year warranty extension available

### **Optional Scheduling and Data Reporting Features**

#### **Advanced Scheduler**

Date driven program allows pre-programming multiple years and multiple schedules for your radar speed signs | Especially useful for school zone scheduling or in areas where events occur on a regular basis

#### **Streetsmart Traffic Data Collection & Reporting Software**

*Lifetime license - One time charge - No recurring fees* | *Licensed per sign* - Download, report, organize, and analyze speed and traffic data that is recorded by the radar speed sign | Generate 35 charts and graphs with Excel™ macro | Traffic Data Storage Capacity: Stores data on 5 million vehicles | Retains data for 12 months in sign before writing over oldest data first

