TRAFFIC LOGIX®
SAFEPACE® EVOLUTION12 PRODUCT SPECIFICATIONS

Radar Sign Specifications
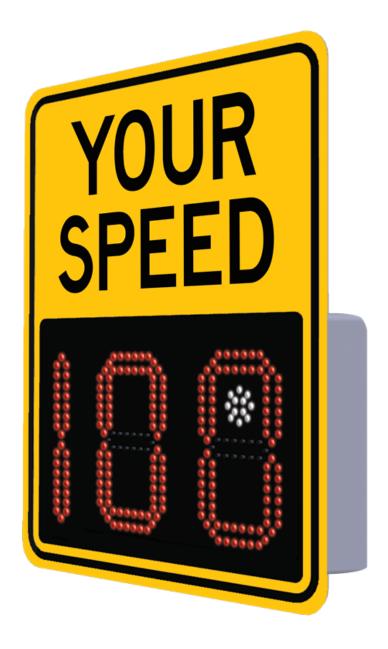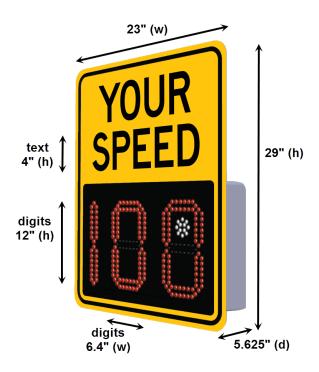
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DIMENSIONS

- » Digit Size:
  - First digit: 12"(h) x 1.125"(w), 56 LEDs (3-digit signs only)
  - Other digits: 12"(h) x 6.4"(w), 196 LEDs per digit
- » Sign Face Text: Letters 4"(h) spell "YOUR SPEED" fixed message, 2 lines
- » Unit alone: 17.25"(h) x 23"(w) x 5.625"(d)
- » Unit with "YOUR SPEED" sign mounted:
  - Full size sign: 29.0"(h) x 23.0"(w) x 5.625"(d)
- » Sign Weight (includes "YOUR SPEED" sign)
  - AC Powered Model: 20 lbs
  - Battery Powered Model: 20 lbs (not including batteries)
  - Solar Powered Model: 20 lbs (does not include solar panel or bracket)
- » Accessories (*optional*)
  - 4 Cell Lithium Ion Battery: 4 lbs
  - Lead Acid Battery: 12 lbs
  - Universal Mounting Bracket System
    - Sign Bracket: 2 lbs
    - Pole Bracket: 5 lbs

All Specifications Subject to Change Without Notice

TECHNICAL SPECIFICATIONS

» 3-Digit Speed Display

- Miles Per Hour (mph): 3-99 mph

- Kilometers Per Hour (km/h): 5-160 km/h

» High-Intensity prismatic reflective sheeting on "YOUR SPEED" signs with black colored text

» MUTCD approved colors and format

» Operating Temperatures F (C): -40° (-40°) to 185° (85°)

» Conformal coating on all circuit boards

Power

» Power input:

- 100~240 V AC @ 150 mA

- 12 V DC (11-14.5 V @ 1A)

- Built in ambient light sensing and automatic brightness control

- Wireless battery charge monitoring (via software interface)

» Power Options

- AC power input: 100~240 V AC

- DC (battery) power input: 12 V DC

  DC (battery) power options:

  — 12V, 18Ah Lead acid batteries

  — 4 Cell, 12.8V, 15Ah Lithium-Ion Phosphate batteries

- Solar power: 50W solar panel

Radar

» Internal Radar: Doppler (FCC approved)

» Model: DF 600

» Radar RF out: 5 mW maximum

» Radar f-center: 24.125 GHz or 24.200 GHz

» Pickup distance: Up to 400 feet

» Beam angle: 24° (vertical) x 12° (horizontal)

» Beam polarization: Linear

» CE Mark (Radar): Yes

Display

» LEDs: 460

- Digits (Yellow): 224 LEDs

- — Color: Yellow (590 nm)
- — Viewing angle at 50% IV: 30°
- — Partial Flux (Brightness): 9000 – 22400 Ev,[lux]/LED
- Digits (Red): 224 LEDs
  - — Color: Red(633 nm)
  - — Viewing angle at 50% IV: 30°
  - — Partial Flux (Brightness): 7100 – 18000 Ev,[lux]/LED
- Speed Violator Strobe: 12 LEDs
  - — Color: White (2700 K – 6500 K)
  - — Viewing angle at 50% IV: 150°
  - — Luminous Flux: typically 33lm @ 4000 K
  - — Luminous Efficacy: typically 176 lm/W @4000 K
- » Ambient light sensor and automatic brightness adjustment

Enclosure

- » Vandal resistant, lightweight polymer
- » Matte black front for reduced glare and maximum contrast
- » Light gray body to minimize heat absorption
- » Weatherproof, NEMA 4X-12, IP65 level compliant
- » Non-sealed and ventilated

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COMMUNICATIONS

» Bluetooth (standard)

» GSM/GPRS (optional, for use with SafePace Cloud)

PROGRAMMING

» SafePace® Pro management software

» SafePace® Cloud remote management

» 24/7 365 day unlimited programming and scheduling

» Display Settings:

- Display On/Stealth Modes (In Stealth Mode, speed is not displayed but data is collected)

- Display Minimum Speed, Display Maximum Speed

- Digit Flashing Speed Threshold (digits flash above specified speed threshold)

- LEDs Flashing Speed (for digits)

— Fast: 1.5 Hz

— Medium: 1 Hz

— Slow: 0.75 Hz

- Speed activated, dual-color digit display (speeds above a specified value are displayed in red)

- Speed Violator Strobe (pulsing strobe flashes above specified speed)

All Specifications Subject to Change Without Notice

DATA COLLECTION, STATISTICAL ANALYSIS AND REPORTING (OPTIONAL FEATURE)

» Traffic data collected and stored by location

» Stealth Mode (captures baseline traffic data with speed display turned off)

» Download through wireless connection

» Statistical Reporting & Charts

- Summary Reports

- Weekly Reports

- Period Comparison Reports

- Full custom reports and charts

- Reporting Parameters:

  — Average Vehicle Count

  — Total Vehicle Count

  — Average Speed

  — Average Number of Speed Violations

  — Total Number of Speed Violations

- Other Features:

  — Minimum and Maximum Speed

  — 85% Speed

  — Counters by Speed Bins

  — 5 MPH Bin Resolution

  — Reports print directly or can be exported into CSV format, MS Excel, Adobe Acrobat PDF and HTML

  — Charts may be printed directly or converted into Adobe Acrobat PDF and image formats

All Specifications Subject to Change Without Notice

WARRANTY

Two Year Warranty
Two year warranty on parts and labor
excluding damage related to
vandalism, abuse, and/or theft

Subject to the following conditions, Traffic Logix Corporation ("Traffic Logix") warrants that the SafePace EV12 sign (the "Product") is free from defects in materials and workmanship.

This limited warranty begins on the invoice date of your purchase of the Product and extends:

» For TWO (2) calendar years on the sign, and

» For ONE (1) calendar year on the batteries.

This limited warranty extends only to the original purchaser of the Product when purchased either directly through Traffic Logix or through an authorized Traffic Logix distributor and is not assignable or transferable to any subsequent purchaser or end-user. Traffic Logix's obligation and liability under this warranty are expressly limited to repairing or replacing, at Traffic Logix's option, defective products. In no circumstances shall Traffic Logix's liability, whether in contract or tort, under any warranty, in negligence, or otherwise, exceed the amount of the purchase price of the product. Traffic Logix shall not be liable for special, indirect, or consequential damages of any kind. This warranty does not cover damages resulting from normal wear and tear, incorrect installation or operation, use other than for the product's intended purposes, vandalism, and extraordinary environmental circumstances. Traffic Logix reserves the right to charge for these damages to the product at rates normally charged for repairing such products not covered under this warranty. Damages resulting from any physical changes or alterations made to the product other than Traffic Logix will render this warranty **VOID**. Using any parts or accessories not supplied or approved by Traffic Logix, such as battery chargers, will further render the warranty **VOID**.

Traffic Logix neither assumes, nor authorizes any person to assume for it, any other liability in connection with the sale of the Product, and there are no agreements or warranties collateral to or affecting this limited warranty.

THE LIMITED WARRANTY SET FORTH IN THIS AGREEMENT IS THE EXCLUSIVE AND SOLE WARRANTY APPLICABLE TO THIS PURCHASE. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY AND THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED.

Traffic Logix does not warrant that any of its products will meet or comply with the requirements of any applicable federal, state or local safety code, law, regulation or ordinance ("Applicable Safety Laws"). Buyer acknowledges that Traffic Logix's products are to be used only in accordance with the attached Conditional Terms of Use and any Applicable Safety Laws. Buyer agrees that there shall be no coverage or benefits of any kind under this limited warranty if it is determined by Traffic Logix that the Product was not installed or used in accordance with the Conditional Terms of Use or Applicable Safety Laws, or if the Product has been

altered in any way by anyone other than Traffic Logix, or if the Product has been subject to any misuse or accident. In addition, Buyer assumes and agrees to indemnify Traffic Logix for all risk, liability or expense that results from any installation or use of the Product that is not in accordance with the Conditional Terms of Use or any Applicable Safety Laws.

Warranty Replacement Procedure

In order to submit a claim for the repair or replacement of the Product under this limited warranty, proceed as follows:

1. Contact Technical Support. **Do _NOT_** ship your defective product to Traffic Logix prior to contacting Technical Support.

2. A Technical Support Agent will evaluate the Product to determine if it is defective. You may be required to do some troubleshooting as part of this evaluation.

3. If the Product is defective, then you will need to submit your contact information, and proof of purchase (including the date of purchase), in order to obtain repair or replacement parts.

4. The Technical Support Agent will provide you with a Return Materials Authorization number and instructions on how to have the defective parts repaired or replaced.