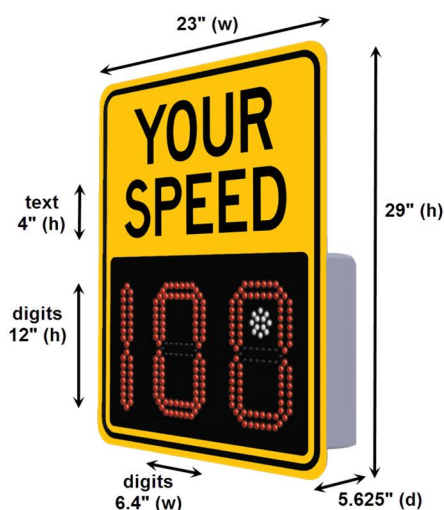


# SAFEPACE® EVOLUTION 12

Radar Sign



TRAFFIC SAFETY  
SUPPLY COMPANY



## PRODUCT DESCRIPTION

The compact SafePace® Evolution 12 sign offers lightweight entry-level speed display for private communities or local roads. The economical sign offers remarkable power efficiency and quick, easy installation.

## 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

**Note: Specifications are approximate and subject to change. Some parts shown may be for illustration purposes only.**

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## 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
  - 12VDC(11-14.5V@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

**Note: Specifications are approximate and subject to change.  
Some parts shown may be for illustration purposes only.**

## 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

All Specifications Subject to Change Without Notice

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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)



## 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



### Two Year Warranty

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

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