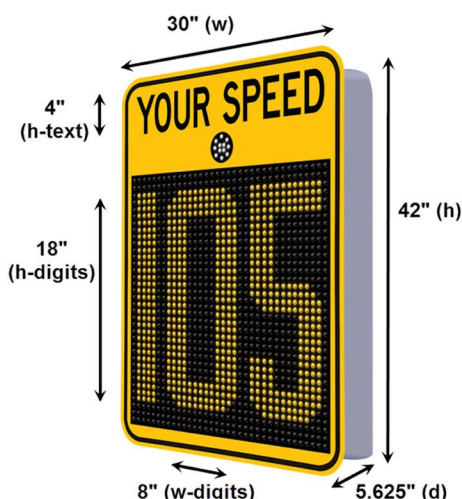# SAFEPACE® EVOLUTION 18FM
Radar Sign

TRAFFIC SAFETY SUPPLY COMPANY

PRODUCT DESCRIPTION

The compact SafePace® Evolution 18FM 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: 18"(h) x 1.5"(w)
  • Other digits: 18"(h) x 8"(w)
» Full Size Sign Face Text: Letters 4"(h) spell "YOUR SPEED" fixed message, 1 line
» Unit alone: 31.625"(h) x 28.25"(w) x 5.625"(d)
» Unit with "YOUR SPEED" sign mounted: 42"(h) x 30"(w) x 5.625"(d)
» Sign Weight (includes "YOUR SPEED" sign)
  • AC Powered Model: 28 lbs
  • Battery Powered Model: 28 lbs (not including batteries)
  • Solar Powered Model: 28 lbs (does not include solar panel or bracket)
» Accessories (optional)
  • 4 Cell Lithium Ion Battery: 4 lbs
  • Lead Acid Battery: 12 lbs

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

TECHNICAL SPECIFICATIONS

» Full Matrix Sign with 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: 90W or 140W solar panel

Radar

» Internal Radar: Doppler (FCC approved)
» Model: DF 300
» Radar RF out: 5 mW maximum
» Radar f-center: 24.125 GHz center +/- 25 MHz
» Pickup distance: Up to 1,200 feet
» Beam angle: 24° (vertical) x 12° (horizontal)
» Beam polarization: Linear

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Display

» LEDs: 2069
  • Digits (Amber): 1024 LEDs
    — Color: Yellow (590 nm)
    — Viewing angle at 50% IV: 30°
    — Partial Flux (Brightness): 9000 – 22400 Ev,[lux]/LED
  • Digits (Red): 1024 LEDs
    — Color: Red(633 nm)
    — Viewing angle at 50% IV: 30°
    — Partial Flux (Brightness): 7100 – 18000 Ev,[lux]/LED
  • Speed Violator Strobe: 21 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

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

SAFEPACE® EVOLUTION 18FM
Radar Sign

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
  · Message Flashing Speed Threshold (message flashes above specified speed threshold)
  · 4 standard messages: "SPEED LIMIT", "YOUR SPEED", "SLOW DOWN", "TOO FAST"
  · 4 Custom Message slots
  · 1 Custom Animation which can utilize up to four Custom Message slots
  · Speed activated, dual-color matrix 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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