

# SPECIFICATION FOR FAST-18 POLE MOUNTED RADAR SPEED SIGN

The FAST-18 is a permanent or semi-permanent mounted radar speed sign featuring 18" full matrix amber LED characters. This unit is ideal for primary streets where speeding is a problem.

- Sealed case with easy access to critical components through front access panel, 0.100" thick welded aluminum NEMA 3R construction.
- Casework: 40" wide, 4" thick, 28.5" high.
- Finished size (includes "YOUR SPEED" aluminum sign, white retro-reflective material, black characters):
  - 40" wide, 4" thick, 34.5" high.
- White polyester powder coat paint inside and out.
- All stainless steel hardware.
- Universal 2 piece mounting brackets are included; U-bolt, band or wall mount.
- 0.125" thick clear polycarbonate lens with non-glare textured finish.
- Single directional, K-band radar unit.
- Operating parameters set by case mounted push button or included remote RF fob, on display.
- Set up must not rely upon lap top or handheld in field.
- User programmable radar sensitivity, 5 levels.
- User selectable MPH/KPH setting.
- Radar device has X-Y axial position adjustability independent of sign housing.
- 18" Full matrix characters made of Amber high intensity LED's.
- Display **must not** be of seven-segment variety.
- Display **must not** employ moving parts (i.e. shuttered LEDs).
- Display speeds from 1 to 99 MPH/KPH.
- Automatic intensity adjustment to ambient light conditions.
- "Dark Mode" of operation for data collection when data optioned.
- Capable of reliable solar power operation.
- On-screen voltage check.
- Keyed On/Off switch.
- Display equipped with High Speed Blanking settable in 1 MPH increments.
- Display equipped with amber LED Flashing Speed Violator alert settable in 1 MPH increments.
- Display equipped with Minimum Speed Display settable in 1 MPH increments.
- Violator Alerts can be set in any order of hierarchy.
- Operating parameters stored to non-volatile memory and defaults to last settings on power up.
- Single cycle 24 hour ON/OFF clock included.
- Embedded Life-Time run clock.
- Built in diagnostics.
- Built in battery diagnostics where applicable.
- Pole mounted NEMA 3R cabinet housing data controller, battery, and solar charge controller.
- Low voltage battery protection mode where applicable.
- Display must be warranted against defects in materials and workmanship for at least one year.
- Radar device must be warranted against defects in materials and workmanship for at least one year.
- Display is equipped with one or more of the following items:
  - Embedded red LED "SLOW DOWN" Violator alert settable in 1 MPH increments.
  - Embedded "Red/Blue" Flashing Bars Violator alert settable in 1 MPH increments.
  - Embedded "White Photo Flash" Violator alert settable in 1 MPH increments.
  - Data collection capabilities, capturing each free flow vehicle and time/date stamping each event with speed.
  - Solar power includes 60-watt panel (typical), 100Ah AGM battery (one), cabling and mounting hardware.