

RU2 Systems, Inc.

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SPECIFICATION FOR RU2-Fast 350/375 RADAR SPEED SIGN

The RU2 Fast-350/375 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. All signs include a 2 piece variable angle pole-mounting brackets.

- Units feature sealed case with easy access to critical components through rear access panel, .100" thick welded aluminum NEMA 12 construction
- Casework: 40" wide, 4" thick, 28.5" high
- Finished size (includes MUTCD compliant "YOUR SPEED" aluminum sign, white retro-reflective material, black FHWA font characters): 40" wide, 4" thick, 34.5" high (Fast-375: 41" wide, 4" thick, 54.5" high)
- Units have White polyester powder coat paint inside and out
- Units have all stainless steel hardware
- Universal 2 piece mounting brackets are included; U-bolt, band or wall mount
- Units have 3/16" GE Lexan[®] shielding with a tinted, non-glare finish
- Units have Single directional, K-band radar unit
- Units 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
- Units have user programmable radar sensitivity, 5 levels
- Units have user selectable MPH/KPH setting
- Units radar device has Y axial (vertical) position adjustability independent of sign housing
- Units have 18" Full matrix characters made of Amber AlInGaP high intensity LED's
- Unit(s) display must not be of seven-segment variety
- Unit(s) display must not employ moving parts (i.e. shuttered LEDs)
- Each pixel is comprised of four LEDs
- Units Display speeds from 1 to 99 MPH/KPH
- Units have Automatic intensity adjustment to ambient light conditions
- Units must have a "Dark Mode" of operation for data collection when data optioned
- Units must accept 110v power input (100 to 240 VAC, 1Ø, 50-60 Hz.)
- Power Consumption: not to exceed 6W nominal power consumption, 15W peak
- Units be capable of reliable solar power operation (Option – see below)
- Units have on-screen voltage check
- Units have 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
- Units 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 LED Operation diagnostics
- Built in LED Intensity operational diagnostics
- Built in battery diagnostics where applicable
- Low voltage battery protection mode where applicable
- Display must be warranted against defects in materials and workmanship for at least 5 years
- Radar device must be warranted against defects in materials and workmanship for at least 2 years

OPTIONALLY

- Display is equipped with embedded red LED "SLOW DOWN" Violator alert settable in 1 MPH increments
And/or
- Display is equipped with embedded "Red/Blue" Flashing Bars Violator alert settable in 1 MPH increments
And/or
- Display is equipped with embedded "White Photo Flash" Violator alert settable in 1 MPH increments
And/or
- Display is equipped with dry contact, either NO or NC, settable in 1 MPH increments
And/or
- Display is equipped with data collection capabilities, capturing each free flow vehicle and time/date stamping each event with speed
And/or
- Solar power option includes 85-watt panel (typical), group 27 AGM battery (one), cabling and mounting hardware. Solar panel may be upsized at supplier's discretion to ensure proper function under installed environmental variables at no additional charge