



**K&K Systems, inc.**  
Traffic Safety Products Manufacturer

## POLE MOUNT RADAR DISPLAY RPM RADAR SERIES

RPM Series Pole Mounted Radars are designed to keep both pedestrians and vehicular traffic safe by reminding motorists of their speed. Using a violation alert flashing display, the driver's attention is drawn to the radar display. Radar displays have been proven to slow motorists down 5 to 10 MPH.

Our 100,000 rated LED lighting unit displays (2)18" amber digits. Our boards detect speeds from 5-99 MPH. KPH board is available. We install the display in an aluminum housing that has been powder coated matte black to prevent glare and rust.

With K&K Systems **Quick Selection Switch** you are able to change your *Over Speed Violator Alert* speed and the *Blanking Violator Alert* without need of a CPU which allows the field workers to simply push the button to desired speed threshold.



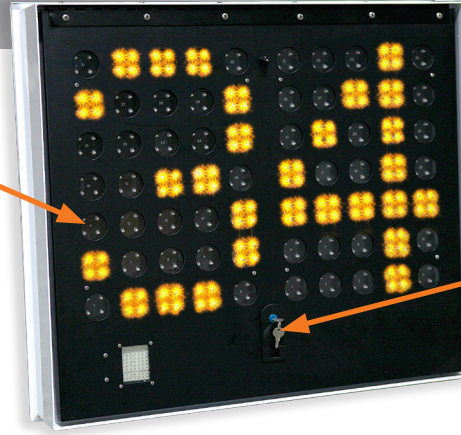
### FEATURES

- ▶ Easily Adapts to Existing Pole or One of Our Optional Poles
- ▶ Radar is FCC pre-approved with CE mark for worldwide deployment
- ▶ Lowest power industry standard radar for speed measurement
- ▶ Day/Night Automatic Dimming
- ▶ All LED Display Protected by Lexan
- ▶ Available in 24.125GHz and 24.200Ghz
- ▶ All Aluminum Display Enclosure
- ▶ Powder Coat Paint
- ▶ Front Serviceable
- ▶ Over Speed Flashing Violator Alert
- ▶ Over Speed Blanking Violator Alert
- ▶ KPH Option available

# RPM SERIES RADAR DISPLAY POLE MOUNT

## Display Module

- Optical: 5 x 7 Pixel, 2.85" Pitch
- LED pixel is formed using 4 LEDs
- Pixels are arranged in a 2 digit, 5 wide by 7 tall matrix
- LED pixel spacing is 2.85" x 2.85"
- 592 NM wavelength +/- 2NM
- LED vision of minimum of 30 degrees
- Wavelength output variance of +/- 1nm



## Display Cabinet

- Frame Construction: Extruded Aluminum, 6063 alloy with T5 Temper
- Sealed, weatherproof
- Vandal resistant (lockable)
- Housing: .090 Aluminum
- Viewing Window: .125 Polycarbonate with UV matte finish
- Paint: Powder coat paint flat black door
- Salt Spray Fog: 1,000 hours
- UV Resistance: 500 hours
- Hardware: Stainless Steel

## Solid State Regulator

Electrical Specifications:

- Voltage: 12V
- Rated Solar Input: 10A
- Rated Load Current: 10A
- Equalization Voltage: 14.8V
- Boost Battery: 14.4V
- Float Battery: 13.6V
- Low Voltage Disconnect: 11.1V
- Low Voltage Reconnect: 13.1V

## Radar

- Operating Band K-Band
- Frequency 24.125 GHz ±25Mhz
- Power Output 5mW
- Beam angle 38 x 45
- Polarization Linear
- Supply Voltage 9.5V DC to 16V DC (18VDC max)
- Nominal Current Draw 9.5 mA
- Operating Temp. -40 F to +185 F (-40 C to +85 C)
- Accuracy ±0.1 mph
- Speed Range 5 mph to 99 (8 kph to 158.4 kph)
- Detection Range Typically 1500+ feet (457+ meters)

	Model	Description	Char. Size
Model Selection Guide	<b>Radar Speed Monitor - Pole Mounted</b>		
	RPM-10	LED radar display. Black face, white balance	10"
	RPM-14	LED radar display. Black face, white balance	14"
	RPM-16	LED radar display. Black face, white balance	16"
	RPM-18	LED radar display. Black face, white balance	18"
	RPM-26	LED radar display. Black face, white balance	26"
	ER12	12" radar display, DC, preset radar 5-99 mph	12"
	ER-SDR	Slow Down display, DC, preset radar 5-99 mph	11"x16"

## OPTIONS

- ▶ Solar Powered
- ▶ AC Powered
- ▶ DC Powered
- ▶ Round Aluminum Pole Kit 11' - 20'
- ▶ AGM Batteries
- ▶ Traffic Stats
- ▶ Speed Limit Sign
- ▶ Portable Dolly
- ▶ KPH
- ▶ Slow Down
- ▶ Third Digit
- ▶ Flashing Beacons

## SUGGESTED USES

- Cyclists Ahead
- School Zones
- Hazard Warning
- Animal Collision
- Posted Speed Limit
- Dynamic Speed Warning
- Advance Traffic Control