



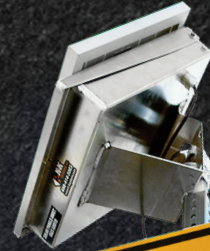
**K&K Systems, inc.**  
Traffic Safety Products Manufacturer

## RADAR SPEED MONITOR WRAP AROUND DESIGN POLE MOUNT

The new Wrap Around ESPS Series Pole Mounted Radar is engineered to be lightweight and durable. The sign and radar combination are just over 2" in depth making it lightweight and easy to manage when installing. Additionally, only 2 bolts are required to mount the unit onto a square or u-channel post. We recessed the display into an aluminum sign for strength. The matte black front reduces glare. The efficient use of LEDs and reinforced Lexan face reduces exposure to damage.

With K&K Systems Quick Selection Switch you are able to change your *over speed violator alert* speed and the *blinking violator alert* without need of a CPU which allows the field workers to simply push the button to desired speed threshold.

Light, efficient, simple. What could be better?



### Ultra Low Power Speed Display Kit

**-40 C to +85 C**  
Temperature range

**0.1 watt**  
90+ m range  
Doppler radar

**5.5V DC to 18V DC**  
Regulated power maintains efficiency over different power options

**White strobe** draws attention to speeding

Built-in ambient light sensor controls display brightness

Temperature compensated LED drive voltage

K&K Systems' ULTRA LOW POWER SPEED DISPLAY KIT has been designed with the planet in mind by providing best-in-class energy efficiency without compromising on quality or features. Using less energy to do more helps reduce environmental impact as well as operational costs.

## FEATURES

- ▶ 12" LED Display
- ▶ 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
- ▶ All LED Display
- ▶ Available in 24.125GHz and 24.200GHz
- ▶ All Aluminum Display Enclosure
- ▶ Powder Coat Paint
- ▶ Built in White Violator Strobe
- ▶ Front Serviceable
- ▶ Over Speed Flashing Violator Alert
- ▶ Over Speed Blanking Violator Alert
- ▶ KPH Option available

# RADAR SPEED MONITOR WRAP AROUND DESIGN POLE MOUNT



## Solar-Powered Technology

K&K solar panels utilize the most up-to-date solar technology and electronics to maintain power levels through rain, sleet, heavy snow or strong winds. No charging required. The solar panel continuously charges the unit while it is in operation. With K&K Systems optional solar feature you no longer need to trench or bore electricity to your radar display. No more power bill either!

## Lightweight and Easy Installation

- ▶ Easily Adapts to Existing Pole or One of Our Optional Poles
- ▶ Lightweight Design - Just over 2" in depth
- ▶ All Aluminum Display Enclosure
- ▶ Built in White Violator Strobe
- ▶ Powder Coat Paint
- ▶ 12" All LED Display

## CPU Controller Software

K&K Systems' Laptop software allows you to configure your violator alerts and other settings from virtually anywhere.



## Display Module 16 x 11

### Optical:

- Pixels are arranged in a 2 digit, (7) seven segment array.
- LED pixel spacing is .70 inches x .70 inches
- 15 degree viewing angle

### Photocell Assembly (built-in)

- Monitors ambient light conditions and adjusts brightness accordingly

### Standard Violation Alerts

- Characters flash when over preset threshold &/ or built-in face white strobe
- Display will go blank when over preset threshold

## Radar

- Operating Band K-Band
- Frequency 24.125 GHz ±5Mhz
- Power Output 5mW
- Beam angle 38 x 45
- Polarization Linear
- Supply Voltage 5.5V 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 kmph to 158.4 kph)
- Detection Range Typically 300+ feet (90+ meters)
- LED's: (25) yellow/amber Par 46 LED's
- Visor: 360 degree plastic high impact

## 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
- Self-Consumption: 6 mA
- Operating Temp. -35 to +55oC

## Options

- ▶ KPH
- ▶ Traffic Stats
- ▶ Round Aluminum Pole kit 11 -20
- ▶ Battery
- ▶ Bluetooth
- ▶ Solar Kit