



Traffic Logix Radar Speeds Signs Specifications

1. General description:

Radar speed signs are proven to slow traffic by making drivers more aware of their speed. Powered either by a power grid, battery or using solar power, the signs provide an effective solution to the problem of speeding traffic. The unique, self-cleaning optical lens design of the Traffic Logix signs ensures optimal visibility and brilliance at far distances even in poor weather and high sun-glare conditions. The signs display the speed of approaching vehicles and flashes to warn drivers who exceed the threshold speed. Signs are ideal for usage in work zones, school zones, and on residential streets. Individual, LED PCB segments allows for cost efficient, quick and easy maintenance in the field.

Both versions of the Traffic Logix signs are fully compliant with MUTCD (US Department of Transportation's Federal Highway Administration's Manual on Uniform Traffic Control Devices) standards.

2. Dimensions of the signs:

- width 30"
- height 42"
- letter height 6"
- digit height 15"
- digit width 8"

3. Sign versions:

- SJT-02
Standard Driver Feedback Sign with "YOUR SPEED" displayed in black letters. Vehicle speed is displayed in highly visible LEDs. Sign to warn drivers who exceed designated threshold speed.

- SJT-02V
Variable Message Sign with a choice of messages displayed in LED letters:

- "YOUR SPEED"
- "SLOW DOWN"
- "SPEED LIMIT" (static message)

Vehicle speed is displayed in highly visible LEDs. Sign flashes to warn drivers who exceed designated threshold speed

4. Specifications of the SJT-02 and SJT-02V standard sign:

Operating voltage:	AC or 12 V DC
Max. power consumption SJT-02 (88 displayed):	13 W
Max. power consumption SJT-02V (88 displayed):	18 W
Power consumption without display	3 W

for low sun conditions (below 10°) is also fulfilled by the signs.

The light distribution covers the requirements of classes a, b, c and d of NEMA, B1, B2, B3 and B4 of EN12966.

NEMA Color requirements for yellow and EN class C1 and C2 are complied with as well.

Radar

Technology	CW Doppler radar
Frequency	24 GHz (K-band)
EMC Specification	EN301-489/BSEN50293
Radio Specification	ETS300.440
Electrical Safety	EN60950
HA Specification	TR2123 (dynamic)
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6. Data collection and software specifications:

Our radar signs feature a real time clock and a 64 kB non-volatile memory. The device counts the vehicles in specified time blocks and stores vehicle speed data in 17 speed bins, including a time stamp of the measurement period. The length of the time block is adjustable to 15 minutes, 30 minutes, or 1 hour. The speed bins are adjustable as well. You can choose the lower limit at which the sign will perform as well as the mile per hour increments at which information is calculated.

The capacity of the memory is 1524 blocks, corresponding to approximately 15 days at 15 minutes data collection periods or 60 days at 1 hour collection periods. If the memory is full, the next block of data replaces the oldest one so that the last 1524 blocks of data are available for reading at all times.

Information is transferred between the signs and your computer using Bluetooth wireless. The Bluetooth feature allows for wireless programming and downloading. Any computer with the attached software package installed can be used to access the contents of the sign memory. For ease of sorting and analysis, the software stores data in a Microsoft Excel file. The program also offers the convenient option to set application parameters wirelessly. Data can be used to create accurate before and after studies of the sign's effectiveness.

7. W11-1 Class 1 Bluetooth:

External Antenna	
Fully Qualified	Bluetooth system v2.0 + EDR, CE and FCC
Class 1 range,	up to 300 meters
Integrated chip antenna or UFL connector	
Industrial temperature range from	-40°C to +85°C
Enhanced Data Rate (EDR) compliant	v2.0.E.2 of specification for both 2Mbps and 3Mbps
modulation modes	

(USB 2.0 compatible)
Coexistence
Flash Memory

Support for 802.11
8Mbits

8. Warranty:

A two (2) year warranty is provided on all radar speed signs.
LEDs are covered by a ten (10) year warranty.

Unique market differentiators:

- 1- Optical Chamber
- 2- Class 1 Bluetooth extended range communication
- 3- Low Power consumption through magnification
- 4- Greater autonomy than standard sign
- 5- Polarization Filter
- 6- Unique vandalism protection
- 7- Self contained installation system

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