The TC26-B is a microwave motion sensor that will identify a vehicle moving in its detection pattern and then trigger the operation of a traffic controller. By utilizing microwave technology, this device provides accurate and consistent vehicle detection that is not affected by temperature, humidity, color or background variations.

The TC26-B easily mounts above ground, requires no pavement cuts and can be installed with minimal traffic disruption. All parameters are adjusted via external controls located on the back panel. The housing is factory sealed with an external wiring harness or an optional quick-connect cable eliminating the need to open the sensor during installation.

Once mounted, the installer simply connects the cable, makes the necessary adjustments, aims the sensor at the desired detection area and applies power. It’s that simple!
TECHNICAL DATA

RANGE

5° TIP ANGLE

18'

16'

200'

350'

Range shown at maximum - not drawn to scale

FRONT VIEW

5 3/4"

SIDE VIEW

9 1/4"

RANGE

4 1/4"

REAR VIEW (External Adjustment Panel)

4 1/4"

OPTIONAL QUICK RELEASE

18 gauge 5 conductor cable (standard)

18 gauge 5 conductor quick release (optional)

SPECIFICATIONS

TC26-B

Model Number. 

10.525 GHz (X-band)

Operating Frequency.

Microprocessor analyzed
doppler-microwave

Detection Method.

Detection Pattern (maximum)......... 200' long x 50' wide (cars)

350' long x 75' wide (trucks)

Detection Pattern (maximum).

Directional motion

Detection Mode.

Continuous with motion

Detection Hold-Time

0.250 seconds

Response Time

0.250 - 5.0 seconds

Time Delay

Adjustable 0.250 - 5.0 seconds

Power Requirements

12 to 24 V AC or DC

Current Draw

75mA max. @ 24V DC

Power Consumption

1.8 Watts max. @ 24V DC

Relay Output

Form C, rated at 3 Amps @ 24V DC

Wiring Harness

18 gauge 5 conductor cable (standard)

Mounting Bracket

Predrilled & slotted (band or lag-bolt mount)

Enclosure/Finish

Gray powder coated aluminum

Operating Temperature

-35°F to 165°F (-37°C to 75°C)

Shipping Weight

Approx. 5 lbs.

Physical Dimensions

9.25"L x 5.5"W x 5.5"H

23.5 cm L x 14.0 cm W x 14.0 cm H

MS

Sensors & Switches

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