

CS202-SLIM

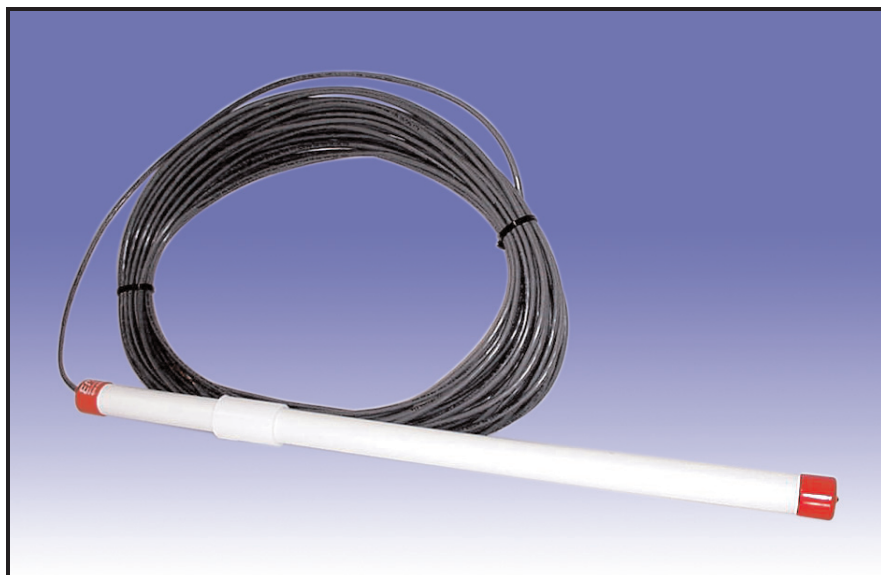
SINGLE PIECE BURIED MOTION SENSOR

Now with NEW SLIM
design & Lower 1.5 mA
Standby Current

The CarSense 202 is based on the well known CarSense101 design. The single piece design provides the installer with a simple installation procedure.

The CarSense 202 is buried in the ground, so it will not be noticed by a potential intruder or vandals.

The CarSense 202 accepts a wide range of power input of 9 Volts to 35 Volts AC or DC. The low current consumption of 1.5 mA standby and 15 mA detected make the CarSense 202 Slim a great choice for solar applications.



APPLICATIONS

Safety – detects moving vehicles in an industrial environment where there are blind areas along the driving path and actuates warning lights.

Energy conservation – detects moving vehicles along a driving path in a warehouse and turns on lights only in the proximity of the vehicle.

Security – detects approaching vehicles or an unauthorized movement of a parked vehicle and actuates alarms, video cameras, or vehicle enunciator.

Access control – “free exit” vehicle detector for gates, overhead doors and parking barriers.

Note: Do not use the CarSense sensor for presence detection applications. If presence detection is required use our D-TEK loop detectors or IRB-4X infrared sensors.

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CS202-SLIM

TECHNICAL INFORMATION

Power Supply	9 – 35 Volts AC/DC \pm 10%
Stand-by Current	1.5 mA maximum
Detect Current	15 mA maximum
Relay Type	DPDT
Relay Contact rating	1A 24V DC 120 V AC
Surge Protection	MOV, Neon, and Silicon protection devices

WIRING INFORMATION

5 Wire Model

Red	Power +
Black	Power -
Green	Relay Common
White	Relay Normally Closed
Brown	Relay Normally Open

3 Wire Model

Red	Power +
Black	Power -
Blue	N/O

(Blue connects to Black on detection)

Note: Polarity on 5-wire model is not important.

In most cases, when installing the CS202 in free exit or enunciator applications, the Green and Brown wires are used. In applications that need normally closed contact, as in magnetic lock installations, the Green and White wires are used.

ORDERING INFORMATION

CS 202S-3-X (3 wire version)

X = length of lead-in wire per 50 foot increments

INSTALLATION NOTES

The CarSense series of sensors use passive probe technology to detect changes in the earth's magnetic field. These changes are caused by movement of ferrous metal objects such as a car in the proximity of the probe. The sensing area of each probe is in the shape of a 15 foot circle. The size of this sensing area changes with the mass and speed of the moving vehicle.

The CarSense 202 can be buried in the ground about 8-10 inches deep parallel to the driveway. It may also be placed 2 inches deep in asphalt or concrete under the path of the vehicle. In all cases the probe must remain totally motionless and be free of vibration to prevent false detects. The lead-in cable must be protected from any damage to its outer insulation. Refer to the installation guide supplied with unit for full installation instructions.