

CARSENSE 101

OUTDOOR BURIED VEHICLE MOTION
DETECTOR WITH SENSING PROBE



Applications

- Energy Conservation - detects moving vehicles along a driving path in a warehouse and turns lights on only in the proximity of the vehicle.
- Access Control - "free exit" vehicle detector for gates, overhead doors and parking barriers.
- Safety - detects moving vehicles in an industrial environment where there are blind areas along the driving path and actuates warning lights.
- Security - detects approaching vehicles or an unauthorized movement of a parked vehicle and actuates alarms, video cameras or vehicle annunciator.

CARSENSE



EMX Industries, Inc.

4564 Johnston Parkway, Cleveland, Ohio 44128

P. 800 426 9912 F. 216 518 9884

Sales Inquiries: salesupport@emxinc.com **Technical Support:** technical@emxinc.com

www.emxinc.com

CARSENSE 101 - DRIVEWAY SENSOR

- Sensing probe is buried in the ground so it is not noticed by a potential intruder or vandals.
- Is housed in a small relay type housing so it is easy to integrate with security control boards, gate and door operators.
- Has all the controls and indicators mounted on the front panel of the unit providing for easy access and operation.
- Has wide power supply options and it can be ordered in 9-41 VDC or 6-29 VAC. Low current consumption makes it excellent choice for solar power applications.

Probe Selection - Each probe comes with 50 feet long lead-in wire. To specify other lengths in multiples of 50 feet, modify the last digits of the part number as necessary.



Probe-xx



HAR-11



LD-11



LD-11B

Technical Data

Power Supply	9 - 41 VDC or 6 - 29 VAC
Power Supply Tolerance	+/- 20% from the power rating
Stand-by Current	2.5mA maximum
Detect Current	50mA maximum
Relay Type	DPDT
Relay Rating	1A 24V DC 120V AC
Sensitivity	High, Low adjustment
Off Delay	1 to 5 seconds adjustment
Control Unit Temperature Range	-40° F to 170° F
Probe Temperature Range	-40° F to 170° F
Power On Indicator	High intensity Green LED
Detect Indicator	High intensity Red LED
Sensitivity Control	Continuous adjustment
Off Delay Control	Continuous adjustment
Surge Protection	MOV, neon and silicon protection devices
Control Unit Housing	Break resistant Polycarbonate H:2.2"(55mm), W:1.6"(41mm), D:3.25"(84mm)
Connector	86CP11 11 pin connector
Probe	PVC water tight housing (Length 17", Diameter 1") with shielded direct burial lead-in cable

Ordering Information

- XC101-120 power supply of 120V AC
- XC101-LV low voltage 9 - 41 VDC or 6 - 29 VAC
- Probe-50 probe with 50 feet lead-in wire additional lengths available in 50 foot increments



WARRANTY EMX INC. the product described herein for a period of 2 years under normal use and service from the date of sale to our customer. The product will be free from defects in material and workmanship. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser from incorrect connections, or lightning damage. There is no warranty of merchantability. There are no warranties expressed, implied or any affirmation of fact or representation which extend beyond the description set forth herein. EMX Inc. sole responsibility and liability, and purchaser's exclusive remedy shall be limited to the repair or replacement at EMX's option of a part or parts not so conforming to the warranty. In no event shall EMX Inc. be liable for damages of any nature, including incidental or consequential damages, including but, not limited to any damages resulting from non-conformity defect in material or workmanship. Rev 1.4 08/11/2011