

# CARSENSE 101

OUTDOOR BURIED VEHICLE MOTION  
DETECTOR WITH SENSING PROBE

## 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 lights on 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 annunciator.
- Access Control - "free exit" vehicle detector for gates, overhead doors and parking barriers.

# CARSENSE 101



**EMX**

INDUSTRIES

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## 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 12V DC, 24V AC or DC, 120V AC. 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.



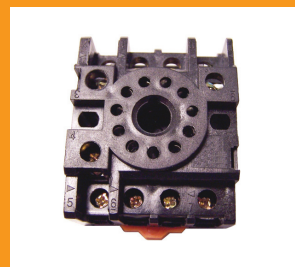
Probe-xx



HAR-11



LD-11



LD-11B

## Technical Data

<b>Power Supply</b>	12V DC, 24V AC or DC, 120V AC
<b>Power Supply Tolerance</b>	+/- 20% from the power rating
<b>Stand-by Current</b>	10 mA maximum
<b>Detect Current</b>	45 mA maximum
<b>Relay Type</b>	DPDT
<b>Relay Rating</b>	1A 24V DC 120V AC
<b>Sensitivity</b>	High, Low adjustment
<b>Off Delay</b>	1 to 5 seconds adjustment
<b>Control Unit Temperature Range</b>	-40° F to 170° F
<b>Probe Temperature Range</b>	-40° F to 170° F
<b>Power On Indicator</b>	High intensity Green LED
<b>Detect Indicator</b>	High intensity Red LED
<b>Sensitivity Control</b>	Continuous adjustment
<b>Off Delay Control</b>	Continuous adjustment
<b>Surge Protection</b>	MOV, neon and silicon protection devices
<b>Control Unit Housing</b>	Break resistant Polycarbonate H:2.2"(55mm), W:1.6"(41mm), D:3.25"(84mm)
<b>Connector</b>	86CP11 11 pin connector
<b>Probe</b>	PVC water tight housing (Length 17", Diameter 1") with shielded direct burial lead-in cable

## Ordering Information

- XC101-12 power supply of 12V DC and 12V AC
- XC101-24DC power supply of 24V DC
- XC101-24AC power supply of 24V AC
- XC101-120 power supply of 120V AC
- Probe-50 probe with 50 feet lead-in wire

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 2.1 07/09/08