

# CARSENSE 303-L

## LOGIC INTERFACE

### Applications

The CarSense 303-L Logic Interface works with CS303-DB Direct Burial or CS303-FP Flat Pack magneto-resistive sensors. The Logic Interface expands the functionality of the sensors by providing additional features and application specific logic operations to meet the needs of more demanding installations.

The Logic Interface allows one or two sensors to be connected and provides 6 logic functions and 2 separate relay outputs. Once the sensor(s) has been programmed using the CS303-C1 Control Unit, the sensor(s) store the settings and operate independent of the Control Unit and can be connected to the Logic Interface.

The CS303 sensor provides up to a 5ft. sensing range in all directions. The CS303L Logic Interface allows 2 sensors to be connected with one output to extend the detection area up to 20ft. Also, A/B directional logic can be selected with an output for each direction of travel as a vehicle passes over two sensors.

The status LEDs and durable housing with a standard 11-pin plug-in socket makes installation quick and easy.

# CS303-L



**EMX Industries, Inc.**

4564 Johnston Parkway, Cleveland, Ohio 44128

P. 800 426 9912 F. 216 518 9884

**Sales Inquiries:** [salesupport@emxinc.com](mailto:salesupport@emxinc.com) **Technical Support:** [technical@emxinc.com](mailto:technical@emxinc.com)

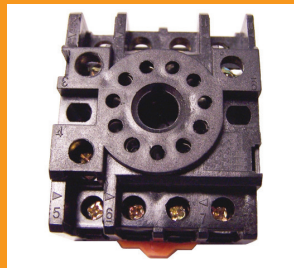
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## LOGIC FUNCTIONS

- Two relay operation
- A/B directional logic
- Pulse on entry
- Pulse on exit
- Double relay
- Relay 1 only



CS303-L



LD-11B

## Technical Data

<b>Power indicator</b>	Green LED
<b>Detect indicator</b>	2 Red LEDs
<b>Configuration selector</b>	10 position rotary switch
<b>Outputs</b>	Relay 1: SPDT (form C) Relay 2: SPST (form A)
<b>Output ratings</b>	1A @ 24 VDC/120 VAC
<b>Operating environment</b>	-40° C...82° C (-40° F...180° F) 0...95% relative humidity
<b>Housing material</b>	ABS
<b>Enclosure</b>	IP30
<b>Power</b>	12-30 VDC and 24 VAC
<b>Operating current (standby/detect)</b>	One sensor connected: 22/35mA Two sensors connected: 33/60mA
<b>Supply protection circuitry</b>	Reverse polarity and fuse protected
<b>Dimensions</b>	73mm (2.9") x 38mm (1.2") x 78mm (3.1")
<b>Weight</b>	0.25 lbs. (113 g)
<b>Connector</b>	11 pin male connector (JEDEC B11-88)

## Ordering Information

- CS303-L Logic Interface, includes black 11 pin socket base DIN rail mount

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 1.1 04/03/17

