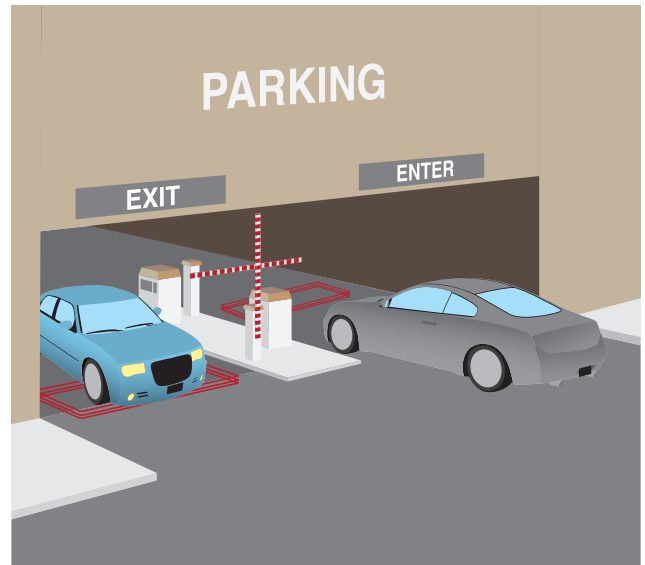


MATRIX 2

UL LISTED SINGLE CHANNEL LOOP DETECTORS



PRIMARY APPLICATIONS



DESCRIPTION

BEA's Matrix 2 provides vehicle detection via a single or dual loop. It may be used for entry, safety and exit loop detection.

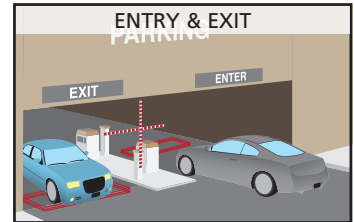
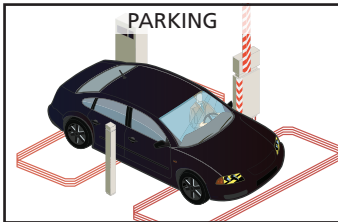
The Matrix 2 is capable of detecting vehicle presence, pulse on entry and pulse on exit. It has two output relays and US wiring configuration. There are different power supply options including 110 to 120 VAC and 12 to 24 VAC/DC.

This loop detector features failsafe open, failsafe closed and automatic boost sensitivity. The unit has the ability to fine-tune both presence detection time and inductive sensitivity via two easy-to-use potentiometer adjustments.

FEATURES & BENEFITS

- UL Listed
- Available in operating powers of 110 to 120 VAC and 12 to 24 VAC/DC
- Two output relays
- Convenient US wiring configuration
- Automatic boost sensitivity
- Failsafe open and failsafe closed
- Ideal for vehicle directionality and sequencing applications
- Settings are adjusted via two easy-to-use potentiometers
- Pulse on entry and pulse on exit presence detection

APPLICATIONS



TECHNICAL SPECIFICATIONS

GENERAL SPECIFICATIONS

| | |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------|
| Wiring | US wiring configuration |
| Connector | 11 pin male (86CP11) |
| Detection Modes | Presence, pulse on entry, pulse on exit |
| Detect Frequency Adjustments | 8 settings, Variable settings from 20 KHZ to 130 KHZ |
| Inductive Range | 20 - 1,000 mHenry |
| Setup Time (after power up/ configuration) | Approx. 8 s, 2 sec/channel |
| Relay | Dual Relay |
| Maximum Contact Voltage | 5 amps @ 230 VAC |
| Pulse Time Output | 100 ms to 500 ms |
| Sensitivity (ΔL/L) | 0.005% to 0.5% |
| Temperature | -22°F - 158°F |
| Features | Failsafe open, failsafe closed, automatic boost sensitivity, learn mode upon power up |
| Display | Power LED, 2x Detect LED (single, dual) |
| Norm Conformance | IP40, CE Listed, UL Listed and ANSI 156 compliant |
| Weight | 7 oz |
| Dimensions | 1.5 in x 3 in x 3 in |

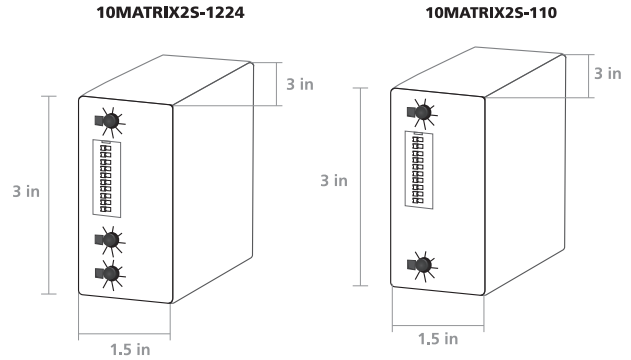
10MATRIXIIS110

| | |
|----------------------------|----------------------------------------|
| Power | 110 - 120 VAC |
| Loop Configurations | Single channel (with 2 loop inputs) |
| Reaction Time | 25 ms |

10MATRIXIIS1224

| | |
|----------------------------|----------------------------------------|
| Power | 12 - 24 VAC/DC |
| Loop Configurations | Single channel (with 2 loop inputs) |
| Reaction Time | 25 ms |

DIMENSIONAL DRAWINGS



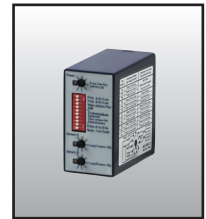
RELATED PRODUCTS



10MATRIXIIS110
110-120 VAC,
SINGLE
LOOP DETECTOR



10MATRIXIIS1224
12-24 VAC/DC,
SINGLE
LOOP DETECTOR



10MATRIXD110
110-120 VAC,
DUAL LOOP
DETECTOR



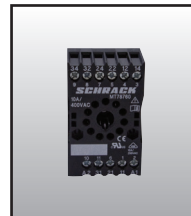
10MATRIXD1224
12-24 VAC/DC,
DUAL LOOP
DETECTOR



10PS12-24D
110-12 OR 24 VDC
POWER SUPPLY



10MATRIXHARN
11 PIN
HARNESS



70.0262
11 PIN
SOCKET BASED
DIN RAIL

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MATRIX 2 UL LISTED SINGLE CHANNEL LOOP DETECTORS

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