



INDUCTION LOOP DETECTORS

MATRIX

SINGLE & DOUBLE

FEATURES

- The Matrix is available in multiple models to accommodate nearly any application.
- Available in single and double channel mode, with power supply configurations of 110 VAC or 12–24 V AC/DC.
- Compatible with most door and gate control applications
- Matrix detectors come in a compact housing with connection through an industrial 11-pin standard connector.
- Settings such as sensitivity and presence time are adjusted via potentiometers, so wide ranges and precise adjustments are made easy.

GATE OPENING AND SAFETY

- Activates and/or holds open a gate as soon as a vehicle enters or remains in its field of detection

INDUSTRIAL APPLICATIONS

- Activates and/or holds open an industrial door/gate as soon as a vehicle enters or remains in detection

PRODUCT FEATURES

- Potentiometers allow for fine tuning sensitivity and presence learn time
- Detection is not affected by long-term occupation of the loop
- Remembers settings upon power loss
- Separate sensitivity settings for dual channel Matrix D
- Automatic sensitivity boost to track the presence of high-bed vehicles
- Selection of presence and pulse outputs for additional functions

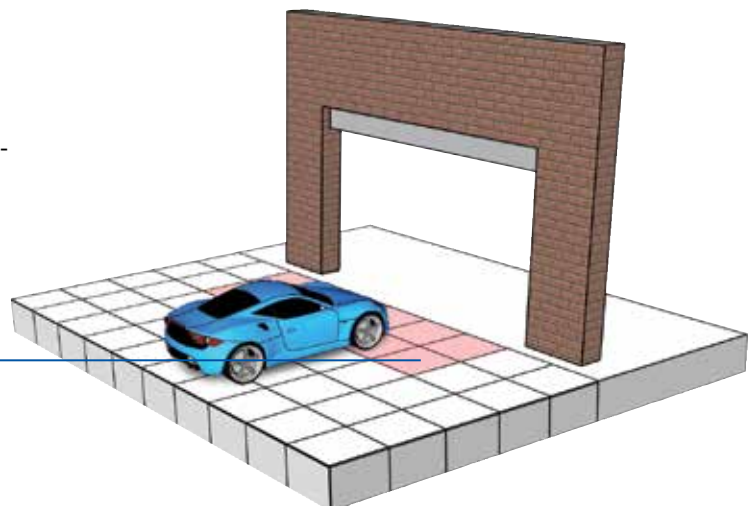
■ Matrix Sensing Field



COMPACT SAFETY SYSTEM

The Matrix is a series of single or double digital inductive loop detectors for vehicle access control and safety for doors, gates, and numerous other applications. High performance features include automatic sensitivity boost, presence and pulse output selection and four frequency settings.

DIGITAL INDUCTION LOOPS

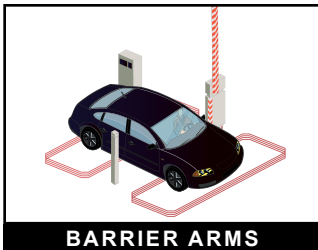


International Door Closers, Inc.

COPYRIGHT 2014 INTERNATIONAL DOOR CLOSERS, INC

West: 800-544-4422 • East: 800-225-6737

www.intldoorclosers.com



BARRIER ARMS



INDUSTRIAL DOORS



SLIDING GATES



MATRIX HARNESS



GATELOCKS

APPLICATIONS

RELATED PRODUCTS

TECHNICAL SPECIFICATIONS

| | |
|---------------------------------------|--|
| Technology | Digital Inductive Loop |
| Tuning | Automatic |
| Detection Mode | Presence |
| Presence Time | 1 min to infinity (Permanent Presence) with 250 steps. |
| Pulse Time Output | 100 ms or 500 ms |
| Inductance Range | 20 μ H – 1000 μ H |
| Loop Frequency Range | 20 KHz – 130 KHz |
| Frequency Steps | 4 for single loop / 2 for dual loop (for each loop) |
| Sensitivity (DL/L) | 0.005% – 0.5% with 250 steps |
| Reaction Time (each loop) | Single Channel : 25 ms / Dual Channel : 50 ms |
| Setup Time at Power-on | 8 seconds Max. by channel |
| Setup Time After Configuration | 2 seconds Max. by channel |
| Power Supply | 12 – 24 AC/DC \pm 10% 115 VAC \pm 10% |
| Power Supply Frequency Range | 48 – 62 Hz |
| Power Consumption | < 2.5W |
| Temperature Range | -22°F to +158°F (-30°C to +70°C) |
| Degree of Protection | IP40 |
| 2 Output Relays | Max. contact voltage: 230 VAC (Free potential change-over contact) Max. contact current: 5A (resistive) |
| LED Indicators | 1 Green = Power On 1 Red = Channel Status 1 1 Red = Channel Status 2 |
| Protections | Loop insulation transformer / Zener diodes / Gas discharge clamping |
| Connections | Standard 11-pin round connector 86CP11 |
| Dimensions (WxHxD) | 1.58" x 3" x 3" |
| Weight | < 7 oz. |
| Immunity | Electromagnetic Compatibility (EMC) according to 89/336/EEC and amendments. |
| Compliance | UL, CE, FCC |

Specifications are subject to change without prior notice.

DISCLAIMER This document as well as all other enclosed documents (quotation / specification / other) are provided «as is» without warranties of any kind, either expressed or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. / Information is supplied upon the condition that the persons receiving it will make their own determination as to its suitability for their purposes prior to use. In no event will IDC be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information from this document or the products to which the information refers. / IDC has the right without liability to change descriptions and specifications at any time. / Prices, shipping and availability are subject to change without prior notice.

