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# CYLINDER DT8N1 GT

## Gunstop

The Cylinder DT8N1 GT Gunstop was developed to control metals passage inside restricted places, streamlining and auto-mating the manual frisking. This kind of doors prevents the entrance of individuals carrying weapons inside controled estab-lishments such as public agencies, lottery agencies, jewelry and others.

The PGDM GT metal detector type revolving door is composed by two antennas, a central unit control, a revolving mechanism to prepositioned the revolving wings and electromechanical locking. In case of a metal detection, the equipment will be immediately locked, stopping the person entrance.

The detection technology DT8N1, used at the revolving door is capable to detect metallic objects such as firearms and bladed weapons with medium size independent of their passage orienta-tion or position within the sensing surface. It also offers a peculiar system that differentiated personal objects and potentially dan-gerous metals. It emits up to 5 times less false alarms comparing with similar products without this system.

Using the higher technology available, the GT metal detector offer an accurate metal detection, immunity against external inter-ferences, data base reliability and integration with other devices using various communication protocols.

**-Simple and intuitive operation interface with graphic icons.**

**-Artificial intelligence applied to avoid interferences (MDAI).**

**-Remote Control with anti-cloning security technology “OTP” system.**

**-Differentiation technology that distinguish personal objects (belt, coins, keys, etc.) and potentially dangerous metallic objects, increasing the passage flow without affect-ing the security.**

**-IECO180: Integrated web server to configure, monitor and reports.***

**-“Black Box” database anti violation system.**

# PGDM CYLINDER DT8N1 GT

## Metal Detector Type Revolving Door

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### DESIGN AND STRUCTURE

| | | |
|---|---|---|
| External Structure | Finishing | -Electrostatic painting aluminum. |
| | Curved Glasses | -Laminated, 8mm;<br>-Other options on request. |
| | Plan Glass | -Tempered, 10mm;<br>-Other options on request. |
| Revolving System (movable wings) | Glass plastic film* | -Colorless film;<br>-Other options on request. |
| | Flanges | -High strength polymer. |
| Locking and revolving mechanism | -Prepositioning the revolving wings at the stopping;<br>-Anti return system with three (03) positions;<br>-03 locking positions;<br>-Dampening impact friction brake (exclusive feature); | |

### DETECTION ZONES

-Eight (DT8) detection zones to indicate metallic objects.

### DETECTION TECHNOLOGY

-Homogeneous and independent detection zones. It allows identifying the body region where a metal is located;
-Accurate detection of magnetic metals, non-magnetic and mixed alloys;
-Complies with detection parameters of the NIJ-0601-02 LO standards (Large Objects) and NILECJ-STD-0601-00 Levels 1-3;
-Artificial intelligence applied to the electromagnetic and mechanical interference (MDAI). The self-assessment system adjusts its settings, analyzing the place where the equipment is installed, to ensure equipment stability and performance, avoiding undue detections;
-Can be set to discriminate metallic personal items such as keys, coins, glasses, belt buckles, etc., and potentially dangerous objects as firearms, knives, etc., providing agility at the inspections;
-Metals detection size and discrimination setting in 9 possible programs combinations;
-Manual or automatic sensitivity adjustment with 200 independent levels configuration per zone;
-Multiple electromagnetic frequency channels with automatic tuning search.

### TECHNICAL REPORTS AND CERTIFICATES

-CIENTEC: Electromagnetic immunity Report to interference within the described ranges at the IEC 61000-4-6, IEC CISPR 22 and IEC 61000-4-3 regulation;
-Manufactured in accordance with the international detections requirements NILECJ-STD-0601-00 (1, 2 e 3) and NIJ 0601-02 (LO);
-CIENTEC: Technical report in compliance with the international standards EN 500081-1 e EN 500082-1;
-Warranty of 1 year;
-CIENTEC: Technical report of not influence for pacemaker patients.

### QUALITY

-Self-assessmente in real time with indication of detector failure;
-Digital signal processing that eliminates the need of periodic calibrations;
-Developed with military and instrumentation electronic components.

### DETECTION ALARMS

| | |
|---|---|
| Visual | -LED pictograms to indicate detection zones located at the control panel. In case of malfunction, a failure alert is activated in the function panel.;<br>-Side light bar all across the device length to indicate the detection zones;*<br>-Traffic light sign to organize the passage flow, represented by the international symbol of green arrow (go forward arrow) and "X" (wait);<br>-LED bar panel indicating the occurrence of a detection (red) and equipment ready for operation (green), and other colors to inform the occurrence of failures;<br>-Volume metal indicator (bar graph); |
| Audible | -Metal detections buzzer with 20 sounds types and 10 volume levels (0-90db a 1m);<br>-Simple digital voice message with 10 seconts to record a message, played according to a configurable event;*<br>-Doble voice message with 10 seconds each to record two messages, played according to a configurable event;*<br>-Intercom to facilitate communication between the security officer and the detector user.* |

### OPERATION AND INSTALATION

-Booting system "Step-By-Step" that ensure fast installation;
-Equipment settings performed using the graphic display function panel, intuitive menu;
-Remote control for access to equipment functions and keyboard lock / unlock, with three access levels and programmable routine. Exclusive anti-cloning Technology OTP (one-time-password), similar to the bank tokens.

### SAFETY DATA AND REPORTS

-User registration for fully access of customizable settings. Three pre-configured access permissions allowing to create up to 5 different users; -D ual infrared, people entry and exit reports and alarm statistics;
-Input and output power supply voltages monitor with automatic shutdown in case of anomalies;
-The database of the GT detector is unalterable, recording any change in device parameters including;*
-Anti-tamper data system "Black-box" even if the system boards are damaged the historic data can still be accessed by the factory (similarity with the black box existing on airplanes);*
-Through the integrated IECO 180 web server is possible to access various types of pre-configured system reports and export data to PDF or Exc el;*

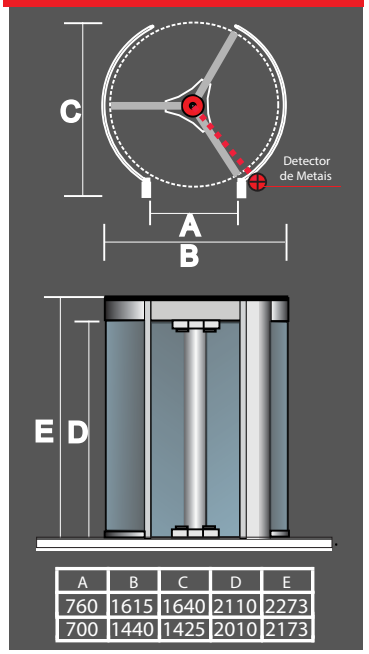
### CONNECTIVITY AND MOBILITY

-Integrated Web Server "IECO 180": Enables configuration, monitoring and reporting through web page, compatible with all desktop and mobile devices. Does not require prior software installation or any configuration, simply access the equipment via browser and enter username and pass word already registered at the equipment's function panel. (Access to IECO180 by ethernet or wifi);*
-Various equipments monitoring service via web "IECO360": Allows to access "IECO180" interface from anywhere in the world. Platform Android, iOS or Windows. APIs may be provided in special cases;*
-The IECO GT detector also enables connectivity with other devices via RS-232, USB, Zigbee or Z-Wave;*
-Relays module with up to 8 programmable NO / NC contacts;*

### TECHNICAL SPECIFICATIONS

-Operating conditions: -20 to + 70 ° C and 0 to 95% humidity
(non-condensing); -Automatic power supply: 90/240 VAC, 50-60Hz;
-Average power consumption 30W;
-UPS with about 4 hours of autonomy;
-Passages flow between 10-15 people per minute;
-Approximately 450 kg.

## Dimensions (mm)




| A | B | C | D | E |
|---|---|---|---|---|
| 760 | 1615 | 1640 | 2110 | 2273 |
| 700 | 1440 | 1425 | 2010 | 2173 |

## Operation Panel

## Remote Control OTP

## Traffic Sign