



MSDi

HIGH-PERFORMANCE FERROMAGNETIC WEAPONS DETECTOR

- **Ideal for covert access control**
 - ▶ Very small footprint
 - ▶ Easily concealed inside ornamental structures
- **High and Uniform Sensitivity to Ferromagnetic Items**
- Accurate localization with **multi-zone acoustic** and **optical alarm signaling**
- **Extremely durable Design** including stainless steel and high impact reinforced plastics
- **Up to 70,000 Events** can be recorded locally (**FIFO Logger**) with traceability of the alarms, programming modifications and diagnostics
- **Programming** of operational parameters and **downloading of data logger** by smartphone or portable PC
- Powered through PoE Ethernet or with 24Vdc external adapter

DETECTION OVER
ENTIRE HEIGHT
OF PERSON

EXTREMELY
DURABLE AND
RELIABLE

ADVANCED
TECHNOLOGY
COMPACT DESIGN

READY FOR
IMMEDIATE USE



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GSA Contract Holder

Threat Detection through Electromagnetics

SPECIFICATIONS

CONTROLS AND INDICATORS

Programming of operational parameters and downloading of data logger by smartphone or portable PC

SECURITY: Password protected programming at User and Supervisor level

MULTI-COLOR STATUS AND ALARM WARNING LIGHT

- GREEN LIGHT** • Normal operation, no alarm
- YELLOW LIGHT** • Detection of ferromagnetic object below alarm threshold
- RED LIGHT** • Detection of ferromagnetic object above alarm threshold:
Full height alarm indication, Indication proportional to signal intensity,
Alarm indication with 5 different localization zones,
Full height alarm indication, followed by zonal signaling
- Blinking light: diagnostics alarm
- BLUE LIGHT** • Connecting BT wireless device in progress

ALARM SOUNDER

- Alarm indication for target over the alarm threshold: Fixed tone, Tone proportional to signal intensity, Single pulse for pinpointing target
- Alarm tone can be selected, continuous and intermittent
- Self-diagnostics signal: intermittent tone

BT headset (ACCESSORY)

- Copies all acoustic indications, with the addition of checking BT connection

POWER SUPPLY

Via Ethernet port, PoE Class 0 compliant to IEEE 802.3af/IEEE 802.3at Type 1

Via connecting cable to external 24Vdc supply

Via external AC/DC power adapter [ACCESSORY]

INPUT/OUTPUT

LAN port. Ethernet port, PoE Class 0 compliant to IEEE 802.3af/IEEE 802.3at Type 1

IN/OUT port. General purpose connector. Type: 8-pole M12 male. It supports the following connections:

- Power supply input. Voltage: 24Vdc $\pm 10\%$, 0.25A max
- RS-232 serial communication lines
- Relay output, activated in case of alarm or diagnosis alert. Selectable in normally open or normally closed operation. Rating: 0.4A max, 30Vdc.
- Inhibition input. Galvanically isolated 2-pole connection. Rating: $+ 5 \div 12$ Vdc.

ENVIRONMENTAL CONDITIONS

Working temperature	14 to 149°F
Storage temperature	-35 to 158°F
Relative humidity	0 to 95%, non-condensing

WEIGHT

7.7 lbs (Detector)

DIMENSIONS

Width: 3.5" - Height: 71.7" - Depth: 2.9"

SHIPPING INFORMATION

Dimensions (WxDxH)	85.5" x 7.9" x 6.3"
Weight	22 lbs

DEGREE OF PROTECTION

IP55

AVAILABLE ACCESSORIES

BT wireless audio function activation. Includes a headset with AC/DC charger	88919
External AC/DC adapter	117021
App CEIA FMD The application allows monitoring of the device, adjustment of the settings and downloading of data logger. Available on Google Play™. REQUIREMENTS: Android™ 7.0* or later. BT interface available	-
Service cable for RS-232 connection	91556

COMPLIANCE

Safe for use for pacemakers and other medical implants

Compliant with the applicable electromagnetic Standards on Human Exposure and pacemaker safety

Compliant with and certified to the applicable International Standards for electrical safety and EMC

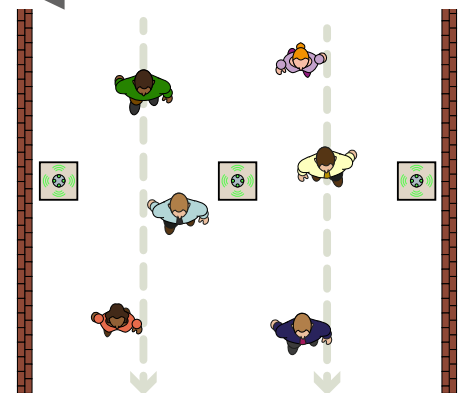
* Google Play and Android are trademarks of Google LLC

EXAMPLES OF APPLICATION

DOOR FRAME



SINGLE OR MULTIPLE AISLE



OPEN SPACE



.DWG and .STP files available on CEIA website.



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