



**HIGH
SENSITIVITY TO
FERROMAGNETIC
METALS**

**DETECTION OVER
ENTIRE HEIGHT
OF PERSON**

**ADVANCED
TECHNOLOGY
COMPACT DESIGN**

**EXTREMELY
DURABLE
AND RELIABLE**



MSDW

WALL-MOUNTED FERROMAGNETIC DETECTOR FOR THE SAFETY OF PATIENTS AND SYSTEMS IN MRI ROOMS

- PREVENTIVE DETECTION OF FERROMAGNETIC AND MAGNETIZED OBJECTS which can cause a “projectile effect” in the MRI room
- HIGH AND UNIFORM SENSITIVITY
- Accurate localization with **MULTI-ZONE ACOUSTIC AND OPTICAL ALARM SIGNALING**
- **EXTREMELY DURABLE DESIGN** including stainless steel and high impact reinforced plastics
- **PASSIVE DETECTION, NO FIELD EMISSIONS**
- **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 AC/DC external adapter
- Large number of CEIA MSD ferromagnetic detectors installed



www.ceia.net

CEIA reserves the right to make changes, at any moment and without notice, to the models (including programming), their accessories and options, to the prices and conditions of sale. DP220K0005v1000hEN

MSDW 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 signalling
	BLUE LIGHT • Blinking light: diagnostics alarm • Connecting BT 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 ±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 ÷ 12 Vdc.

ENVIRONMENTAL CONDITIONS

Working temperature	-10°C to +65°C
Storage temperature	-37°C to +70°C
Relative humidity	0 to 95%, non-condensing

DETECTOR WEIGHT

3.5 Kg

DIMENSIONS

90 mm x 73 mm x 1820 mm (WxDxH)

SHIPPING INFORMATION

Dimensions (WxDxH)	200 mm x 160 mm x 2170 mm
Weight	10 Kg

DETECTOR DEGREE OF PROTECTION

For indoor and outdoor use

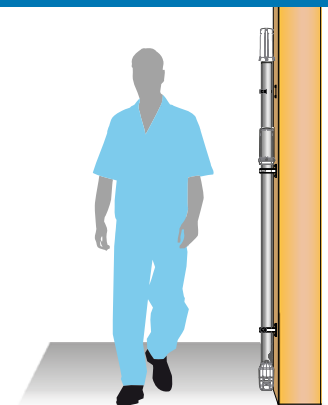
AVAILABLE ACCESSORIES

BT audio function activation, headset and charger	code 88919
External AC/DC adapter	code 91553
App CEIA FMD: the application allows monitoring of the device, adjustment of the settings and downloading of data logger. Available on Google Play Store . REQUIREMENTS: Android 7.0 or later, BT interface available	-
MSD Demo Kit - Kit of demonstration objects, consisting of: BT headset • Hair pins • Hospital pager • Magnet • Medical scissors • Micro cell phone • Micro smartphone • Needle • Razor blades	code 89052
Service cable for RS-232 connection	code 91556
Standing mat: self-adhesive mat with indication of position and rotation	code 94590

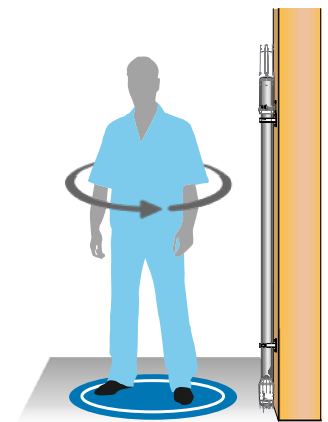
CERTIFICATION AND COMPLIANCE

Passive device: 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

FERROUS METAL CHECK POST

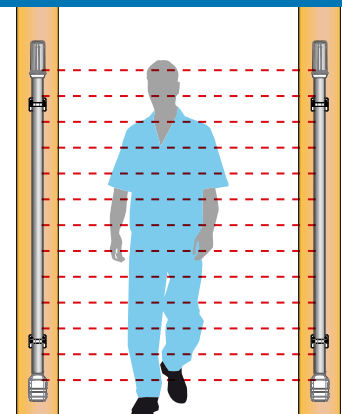


PASS-BY OPERATION



ROTATE-BY OPERATION

PASS-THROUGH CONFIGURATION



Thanks to the **special EVO analyses**, the access point configuration works with uniform detection sensitivity over the entire transit area.



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