MSDW Plus

WALL-MOUNTED MULTI-ZONE FERROMAGNETIC DETECTOR FOR THE SAFETY OF PEOPLE AND SYSTEMS IN MRI FACILITIES

MAIN FEATURES

- **PREVENTIVE DETECTION OF FERROMAGNETIC** and **MAGNETIZED OBJECTS** which can cause a "projectile effect" in the **MRI** ROOM
- **HIGH SENSITIVITY** and **HIGH IMMUNITY** to external interferences
- Accurate localization with **MULTI-ZONE OPTICAL ALARM SIGNALING**
- **HYGIENIC AND DURABLE DESIGN** including non-magnetic **AISI 316L** stainless steel and high impact reinforced plastics
- **IT CAN OPERATE IN ZONE I, II** or **III**
- **UP TO 100,000 EVENTS** can be recorded locally **(FIFO LOGGER)**
- **DEVICE MONITORING**, **PROGRAMMING** of operational parameters and **DOWNLOADING OF DATA LOGGER** via mobile app or portable PC
- Powered through **POE ETHERNET** or with **AC/DC** external adapter

MULTI-ZONE TARGETING INDICATION

DETECTION OVER ENTIRE HEIGHT OF PERSON

ADVANCED TECHNOLOGY COMPACT DESIGN

EXTREMELY DURABLE AND RELIABLE

HIGH & UNIFORM SENSITIVITY TO FERROMAGNETIC ITEMS

CEIA® USA

www.ceia-usa.com

MRI Safety through Electromagnetics

SPECIFICATIONS

CONTROLS AND INDICATORS

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

SECURITY: Password protected programming at User and Supervisor level

COLOR STATUS AND ALARM WARNING LIGHT

WHITE
RED LIGHT
- Power Indicator LED
- Alarm Indicator LED
- Full height alarm indication
- Indication proportional to signal intensity
- Alarm indication with different localization zones
- Blinking light: diagnostics alarm

BLUE LIGHT
- Connecting BT device in progress LED

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

Operating temperature	-4 to 140°F
Storage temperature	-35 to 140°F
Relative humidity	0 to 95%, non-condensing

WEIGHT

7.7 lbs (Detector)

DIMENSIONS

3.5" x 2.9" x 71.7" (WxDxH)

SHIPPING INFORMATION

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

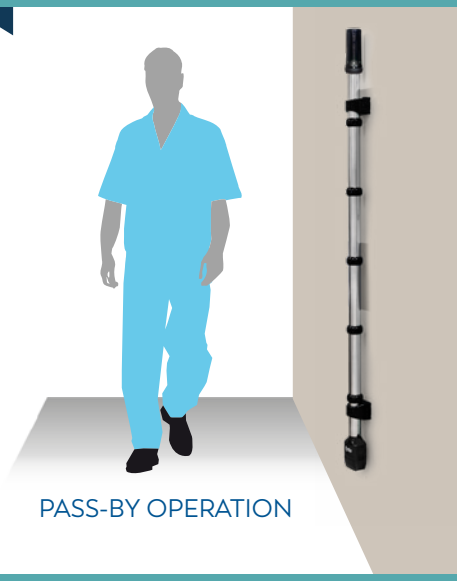
DEGREE OF PROTECTION

IP55

AVAILABLE ACCESSORIES

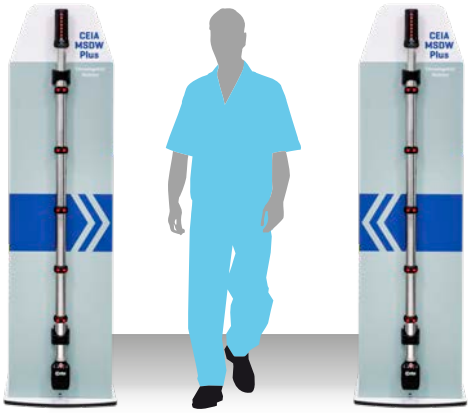
BT wireless audio function activation. Includes a headset with AC/DC charger	88919
External AC/DC adapter	117021
App CEIA FMD+: the application allows monitoring of the device, adjustment of the settings and downloading of data logger: • Available on Google Play™. Requirements: Android™ 8.0 or later • Available on Apple store. Requirements: iOS 15.0 or later • BT interface available	-
MSDX* Distribution Box** Accessory to be used for the installation of ***MSDW Plus devices, designed to simplify the connections between detectors and external devices. It allows the connection of a single detector (Chain Head) or both (Chain Head and Chain Tail), in order to have a single power supply source	117022
Standing mat: self-adhesive mat with indication of position and rotation	94590

STANDALONE CONFIGURATION



PASS-BY OPERATION

PASS-THROUGH CONFIGURATION



CERTIFICATION & COMPLIANCE

- **NO-EMISSION**: safe for use for pacemakers and other medical implants
- **COMPLIANT** with the applicable electromagnetic Standards on Human Exposure and PMEDs such as glucometers, pacemakers, defibrillators, insulin pumps, neurological stimulators and cochlear implants
- **COMPLIANT** with and **CERTIFIED** to the applicable International Standards for electrical safety and EMC

CEIA USA Ltd - 6336 Hudson Crossing Parkway, Hudson OH 44236
P 330-405 3190 • **F** 330-405 3196 • **E** security@ceia-usa.com • **CALL** (833) 224-2342 (CEIA)

www.ceia-usa.com

CEIA USA 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 - DP220K0010v1002uUS - 2026