

CEIA MSDW PLUS — WALL-MOUNTED FERROMAGNETIC DETECTOR FOR MRI FACILITIES

High-sensitivity multi-zone wall detector for the safety of people and MRI systems



Product description:

The **CEIA MSDW Plus** is a wall-mounted ferromagnetic detector designed for the **safety of people and equipment in MRI facilities**. It provides preventive detection of ferromagnetic and magnetized objects that could cause a projectile effect at the entrance of the examination room.

Its **multi-zone optical alarm signalling** accurately localizes the position of the detected object over the entire height of the person. The housing is manufactured in **non-magnetic AISI 316L stainless steel** and high impact reinforced plastics, ensuring durability and hygiene in demanding medical environments.

The device is compatible with **Zone I, II or III** operation and can be deployed as a standalone unit or in a pass-through bi-device configuration. It records up to **100,000 events** locally via a FIFO logger, downloadable via mobile app or PC.

Power is supplied via **PoE Ethernet port** or external AC/DC adapter. Operational parameter programming is password-protected at two levels (user and supervisor).

Technical specifications

- **Power supply:** Ethernet port, PoE Class 0 compliant to IEEE 802.3af / IEEE 802.3at Type 1, or external 24Vdc supply cable, or external AC/DC adapter (accessory)
- **Input/Output:** Ethernet PoE port + 8-pole M12 male general purpose connector (24Vdc power input, RS-232, relay output alarm, inhibition input)
- **Status indicators:** White (power), Yellow (detection below threshold), Red (alarm), Blue (Bluetooth connection)
- **Alarm sounder:** Fixed tone, proportional to signal intensity, or single pulse for pinpointing — continuous or intermittent selectable
- **Data logging:** Up to 100,000 events (FIFO logger)
- **Programming:** Via mobile app (Android 8.0+ / iOS 15.0+) or PC — password protected at user and supervisor level
- **Operating zones:** Zone I, II or III

- **Configuration:** Standalone or pass-through bi-device
- **Protection rating:** IP55
- **Dimensions:** 90 x 73 x 1820 mm (W x D x H)
- **Weight:** 3.5 kg
- **Operating temperature:** -20°C to +60°C
- **Storage temperature:** -37°C to +60°C
- **Relative humidity:** 0 to 95%, non-condensing

Certification & compliance

- **No-emission:** safe for pacemakers, defibrillators, insulin pumps, neurological stimulators and cochlear implants
- Compliant with applicable electromagnetic standards on human exposure and PMEDs/IMEDs safety
- Certified and compliant with applicable international standards for electrical safety and EMC

Package contents

- 1 MSDW Plus detector
- User manual

Shipping information

- **Packaging dimensions:** 200 x 160 x 2170 mm
- **Packaging weight:** 10 kg

Reference: -