NEW

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 24Vdc external adapter
- Large number of CEIA MSD ferromagnetic detectors installed
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**
    - Full height alarm indication
    - Indication proportional to signal intensity
    - Alarm indication with 5 different localization zones
    - Full height alarm indication, followed by zonal signalling
    - Blinking light: diagnostics alarm
    - Connecting BT device in progress
  - **BLUE LIGHT**
    - 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.

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

### DETECTOR WEIGHT
- 7.7 lbs

### 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

### 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

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