

FERRALERT™ HALO II Plus

The Best Detector to Protect the MRI Room

Now Available with the New “Plus” Enhancement Package

FerrAlert™ leading edge technology provides the most reliable detection and prevention of ferromagnetic threats from entering the MRI room (Zone IV). FerrAlert™ detectors are recognized to be the most accurate ferromagnetic detectors for MRI, due to their exclusive location-specific feature. The New Plus Package dramatically reduces alarm fatigue by not alarming on the MRI door and ferromagnetic objects exiting the MRI room. In addition, FerrAlert™ HALO II Plus accepts our new accessory Ferromagnetic Incident Log Manager (F.I.L.M.), which assists with Root Cause Analysis and facilitates The Joint Commission compliance.

FerrAlert™ Unique Features:

- Intelligent Pre-Warning on approach WELL OUTSIDE the magnet room
- Instantly PINPOINTS LOCATION of the ferromagnetic threat
- NO invasive pat-down required
- Alarms are visible from INSIDE and OUTSIDE the magnet room

Plus REDUCES ALARM FATIGUE by sensing direction of personnel

- ✓ No Alarm on door
- ✓ No Alarm on Exit
- ✓ No Alarm on Cross Traffic

Plus Accepts Ferromagnetic Incident Log Manager (F.I.L.M.)



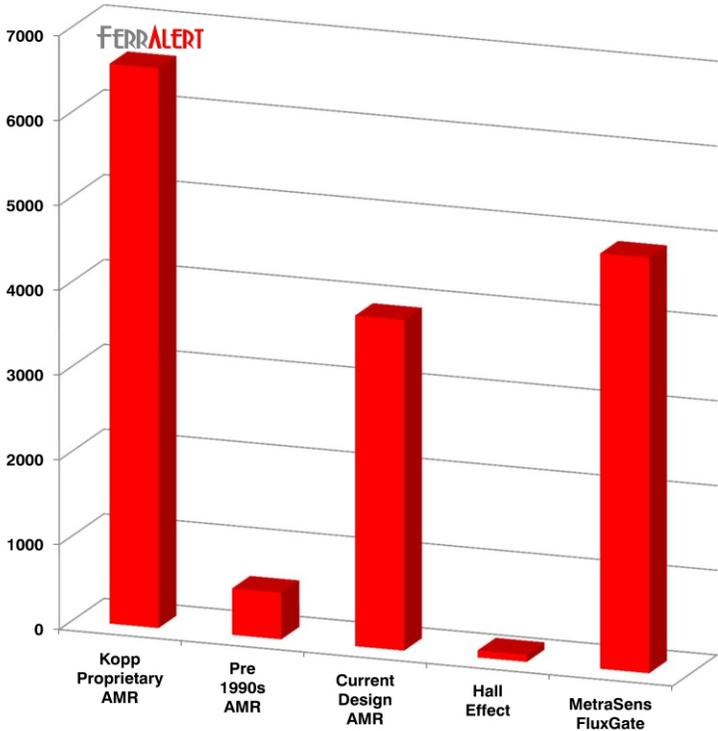
Visual Advanced Warning activated on the approach of a ferrous O₂ tank.

DESIGNED AND MANUFACTURED IN THE USA



Technology proven to be most sensitive in “Real World” MRI environment

Usable Sensor Sensitivity in actual MRI Environment



Raw sensitivity is only meaningful if you are in the ocean looking for an isolated ferromagnetic object (e.g. submarine). In that environment there are few other ferromagnetic, moving objects to interfere with sensing. In the real environment of a hospital, where many ferromagnetic objects are moving all the time, you must be able to discriminate between "real" threats and objects that are ferromagnetic but not a threat.

Easily Understood Status Indicators:



GREEN – Go, **YELLOW** – Warning, **RED** – **STOP!**

The **GREEN** LED HALO array illuminated around the MRI entrance indicates that the detector is scanning and there are *no ferromagnetic threats* detected.

A **YELLOW** beacon light indicates that a *threat is approaching* the portal.

The **RED** LED HALO array flashes the entire portal, indicating a *major threat* such as a ventilator or oxygen cylinder is approaching the portal.

The greater the threat, the further away the warning is activated.

Ferrous objects not approaching the entrance to Zone IV *do not* trigger an audible warning. A ferromagnetic object is not a threat until it tries to enter the magnet room.

ACR and The Joint Commission require control of Zone IV at all times!

Unlike other detectors, ONLY FerrAlert™ allows the Technologist to have full control of the MRI room when working inside and can quickly pinpoint the location of the ferromagnetic threat.

Only **FERRALERT™** has *Intelligent PRE-WARNING* prior to entry

Only **FERRALERT™** *PINPOINTS* the *LOCATION* of projectile threats

Only **FERRALERT™** is viewable from both INSIDE and OUTSIDE the MRI



FerrAlert™ HALO II shown *alarming and locating* a ferromagnetic object being carried by patient about to enter the Magnet Room. Location LEDs pinpoint a potential threat.

OUR PRODUCTS ARE AVAILABLE THROUGH:

SIEMENS
SIEMENS HEALTHCARE USA

TOSHIBA
Leading Innovation >>>

WE ARE ALSO PROUD VENDORS TO:



GE Healthcare

PHILIPS
PHILIPS HEALTHCARE

FerrAlert™ Additional Features:

Continuous Magnetic Disturbance Monitoring

provides instant feedback via integrated and highly visible bar graphs

Most Flexible Installation for all facility architectural layouts

Mounts unobtrusively with both *in-swing* and *out-swing* doors

Alarm Indicator Lights NOT Blocked by an *Outward Swinging Door*

Safe Passive Detection

NO electromagnetic radiation, RF radiation, or magnetic field

Adjustable Sensitivity and Audio Alarm Levels

Conforms to ALL Applicable Recommendations and Standards

including FDA, ACR, AAMI, Joint Commission, FGI and VA

18 Detection Zones

for ACCURATE and FAST locating of a ferromagnetic threat

Comprehensive Self-Test Function

for hospital periodic maintenance, as well as piece of mind

Selectable Chime

to alert staff of MRI entrance ingress

FerrAlert™ Approved Patient Transport Equipment

will not trigger an alarm

Specifications

Dimensions: Height 83" (211 cm), Depth 2.25" (5.7 cm)

Adjustable Width: 42" (107 cm) to 52" (132 cm) Inside;
47" (119 cm) to 57" (145 cm) Outside;
other width ranges are available

Complies with **ES60601-1-8 International Standards for Medical Device Alarms**

Complies with **IEC 60601-1:2005 Medical Device Specification Requirements**

Medical Power Supply: 100 to 240 VAC, 47 to 63 Hz, 42 Watts

Sensitivity: Adjustable

Audio Alarm: In Portal, adjustable volume

Photoelectric Sensors: Activates Audio Alarm only when portal threshold is crossed by a ferromagnetic



FerrAlert™ HALO II - IMEDCO exclusive Built-In configuration.

All FerrAlert™ products are available through IMEDCO - Worldwide

KOPP → **Development Inc.**

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