

# FERRALERT™ HALO<sup>II</sup> Plus

## The Best Detector to Protect the MRI Room

### Now Available with the New “Plus” Enhancement Package

FerrAlert™ 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 object 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 compliance to the new Joint Commission standard.



### FerrAlert™ Unique Features:

- Intelligent Pre-Warning on approach WELL OUTSIDE the magnet room
- Instantly PINPOINTS LOCATION of the ferromagnetic threat
- NO intimate contact 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

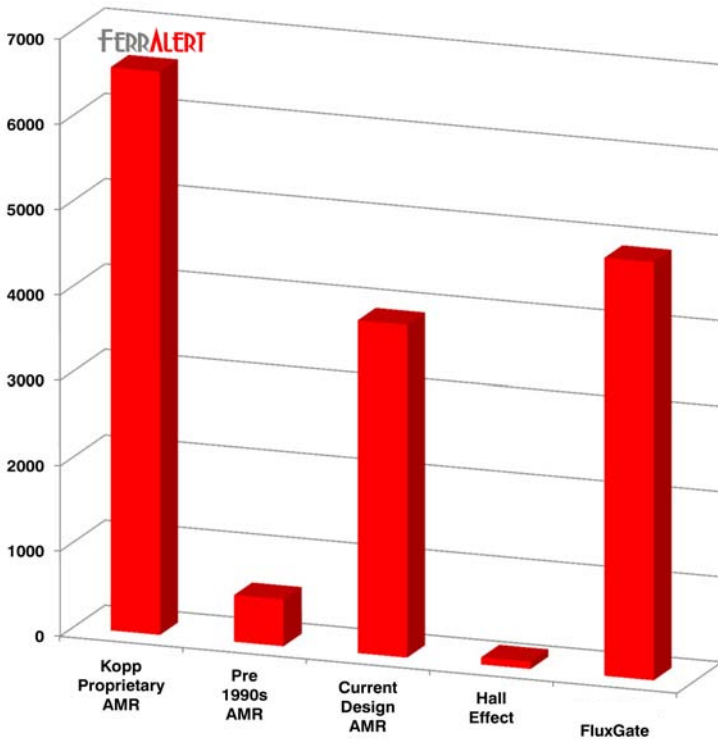
*Plus* Accepts **Ferromagnetic Incident Log Manager (F.I.L.M.)**

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.

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 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.



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

**Canon**  
CANON MEDICAL

**WE ARE ALSO PROUD VENDORS TO:**



GE Healthcare

**PHILIPS**  
PHILIPS HEALTHCARE

## FerrAlert™ Additional Features:

### Most Flexible Installation for All Facility Architectural Layouts

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

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

### Continuous Magnetic Disturbance Monitoring

provides instant feedback via highly visible bar graphs

### Safe Passive Detection

NO electromagnetic radiation, RF radiation, or magnetic field

### Adjustable Sensitivity and Audio Alarm Levels

### Conforms to 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:** 44" (112 cm) to 54" (137 cm) Inside;  
49" (124 cm) to 59" (150 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

**Audio Alarm:** In portal, adjustable volume

**Photoelectric Sensors:** Activates Audio Alarm only when portal threshold is crossed by a ferromagnetic threat, and *only on objects entering the MRI room; not on exiting*



*FerrAlert™ HALO II - Built-In configuration.*

**KOPP** → **Development Inc.**

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