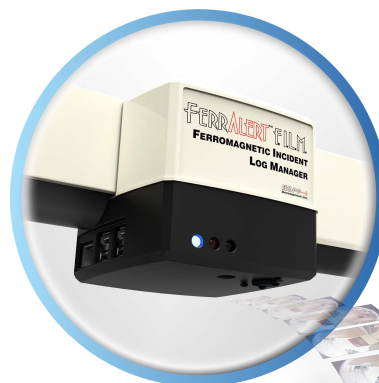


FERRALERT® ENCOMPASS LE

The Most Comprehensive and Reliable MRI Safety Solution

- Automatically logs:
 - Ferromagnetic entries
 - Door openings*
 - Sensor alarm positions
 - Pause function*
- Provides complete and verifiable data for:
 - ✓ *The Joint Commission inspections*
 - ✓ *ACR compliance*
 - ✓ *Root Cause Analyses investigations*
- Provides reports and analysis of safety trends
- Reports can be shared throughout the entire hospital system
- Easily implemented connectivity and expandability



***Door openings** – Per new **ACR MRI Safety Recommendations**, the magnet room door **MUST** always be closed, unless it needs to be open for entry or exit. FerrAlert® ENCOMPASS LE (Local Edition) logs every door opening and provides the time of how long it stayed open.

***Pause function** – The detector can be put into a Pause (stand-by) mode to allow **intended** ferromagnetic objects, such as patient monitors or dockable MRI tables, to pass through without alarm. The Pause function is recorded and logged every time it is utilized to allow management to monitor its use.

FERRALERT® ENCOMPASS^{LE}

THREAT DETECTION AND LOCATION WITH:

FERRALERT® HALO^{II} Plus X^B

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.



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
- REDUCES ALARM FATIGUE by sensing direction of traffic
 - ✓ No Alarm on Door
 - ✓ No Alarm on Exit
 - ✓ No Alarm on Cross Traffic

RECORDING FERRALERT® ENCOMPASS^{LE}

The imaging system, FerrAlert® F.I.L.M., is configured and positioned in a location to allow simultaneous viewing of both inside the MRI scanner room as well as the approach to the scanner room.

Shown below are a few sample of images from one date and time stamped log:



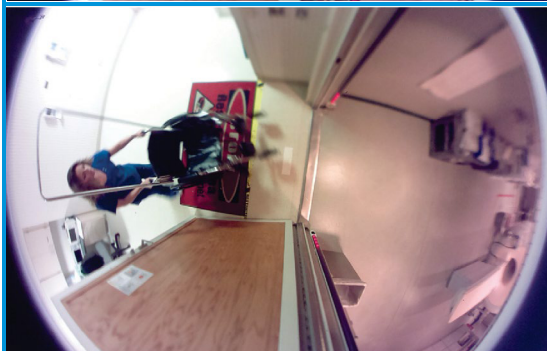
Visual Advance Pre-warning:

All 48 red alarm lights of FerrAlert® HALO II PLUS XB are activated on the approach of a ferromagnetic wheelchair WELL OUTSIDE the scanner room. No Audio alarm sounds at this time.



Audio alarm and F.I.L.M. are activated:

When the Photoelectric sensor of the FerrAlert® HALO II PLUS XB is crossed, the F.I.L.M. stores the images that lead up to the activation. F.I.L.M. continues to take and store images after the incident occurs to document actions after the incident.



Location of the projectile threat pinpointed:

In this image, both bottom sensors are activated indicating that the area of the ferromagnetic threat is near the floor. The location feature allows determination of the position of ferromagnetic objects for post incident data analysis.



Action taken after incident:

The person did not continue into the scanner room, but instead turned around and left the area. The green READY lights illuminate indicating that there is no approaching ferromagnetic threat.

ANALYSIS



Track Trends

From the **STATISTICS** tab, occurrences are plotted.



Generate Reports

From the **GENERATE REPORTS** tab, all recorded events for all **F.I.L.M.** cameras are listed.

This block contains three overlapping report screenshots. The top one is an 'INCIDENT REPORT' for 'Hospital Test' on 2022/05/09 to 2022/05/16, showing an incident where a money clip was taken into the MRI room. The middle one is a 'GENERAL REPORT' for 'Hospital Test' from 2022/05/17 to 2022/05/17, featuring aggregate data tables for 3 detectors. The bottom one shows 'Individual MRI Suite Data' for DET1 and DET2, each with a bar chart of trends (Incidents, Alarms, Entries) and an 'Alarm Location Heat Map'.

GENERAL REPORT - Aggregate Data for Selected Detectors

TOTAL Alarm Data: 3 Detectors		TOTAL Detector Pause Data: 3 Detectors		TOTAL Door Data: 3 Detectors	
Total Incidents:	1	Detector Pauses:	16	Total Door(s) openings:	121
Entries:	170	6 - Long	6	Average duration of Door(s) open:	2 minutes 4 seconds
Total Alarms:	43	10 - Short	10	Longest individual door open time:	6 minutes 24 seconds - DET1 (2022/05/17)

Individual MRI Suite Data - DET1

Incidents:	1
Entries:	88
Alarms:	19
Detector Pauses:	5
3 - Long	3
2 - Short	2
Door Openings:	71
Average Duration Door opened:	2 minutes 37 seconds
Longest Individual Door open time:	8 minutes 24 seconds
% of time Door kept open:	1.03%

Individual MRI Suite Data - DET2

Incidents:	0
Entries:	76
Alarms:	13
Detector Pauses:	9
3 - Long	3
6 - Short	6
Door Openings:	47
Average Duration Door opened:	1 minute 37 seconds
Longest Individual Door open time:	4 minutes 3 seconds
% of time Door kept open:	0.37%



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