
FERRALERT™ SOLO – QUICK TRAINING SHEET

Purpose

- FERRALERT™ SOLO detects **ferromagnetic objects** that may pose a projectile risk in MRI environments. It provides **visual and audible alerts** and indicates the **location** of detected items. This device is a **supplement** to our safety screening protocols, not a replacement for safety screening

MODES OF OPERATION

1. Standby Mode

- Purple **POWER** light ON
- No green lights
- Passively monitoring environment
- Blue bar graph shows magnetic disturbance if objects approach

2. Active Mode (Ready-to-Scan)

- Triggered when person is **~4–10 inches from detector**
- **6 GREEN lights ON**
- System ready to perform screening

3. Alarm & Location Mode

- Triggered when ferromagnetic object exceeds threshold
- **Green lights OFF**
- **Amber lights FLASH** at detected location
- **Audible alarm sounds**

SCREENING PROCEDURE

Step 1: Positioning

- Stand **4–6 inches** from the sensor column
 - Wait for **GREEN lights** (ready to scan)
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Step 2: Perform Scan

Method 1 – Rotation

- Rotate **360°** slowly (left or right)
- Avoid contact with detector

Method 2 – Side-Step

- Stand sideways (4–6 inches away)
 - Side-step across detector (2–3 steps)
 - Turn **180°** and repeat
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INTERPRETING RESULTS

No Alarm

- Green lights remain ON
 - **No ferromagnetic hazard detected**
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Alarm Triggered

- Green lights turn OFF
- Amber lights show **object location**
- Audible alert sounds

 **Required Action:**

1. Remove detected object
 2. Repeat screening
 3. Do NOT proceed until cleared
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LOCATION INDICATORS

- Column divided into **6 vertical zones (~1 ft each)**
 - Amber lights indicate **height of object**
 - Lower lights = near feet
 - Upper lights = near torso/head
 - Multiple zones = **larger or multiple objects**
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IMPORTANT SAFETY NOTES

- This device is a **supplement** to our safety screening protocols, not a replacement for safety screening
 - **No alarm ≠ no risk**
 - Always follow MRI safety protocols
 - Blue bar graph indicates **early magnetic disturbance**
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KEY REMINDERS

- ✓ Stand at proper distance (4–6 inches)
- ✓ Ensure green lights before scanning
- ✓ Follow full motion (rotate or side-step)
- ✓ Investigate ALL alarms
- ✓ Remove objects **before rescanning**