

Healthcare EDS Systems

Bender engineers have developed a solution capable of identifying which particular circuit(s) is contributing to a ground fault on an ungrounded system. Our fully automated ground fault location systems (EDS Series) are designed to reduce maintenance cost and increase equipment utilization.

How does a ground fault location system (EDS) work?

Bender's advanced Line Isolation Monitor, the **LIM2010**, measures and calculates the Total Hazard Current (THC) and alarms when the defined threshold (5mA) is met. Once the THC and resistive fault threshold is achieved the LIM's integral fault location system is activated. The Line Isolation Monitor (LIM2010) then sends out a tracer pulse which is detected by the ultra-high sensitivity current sensors associated with each branch circuit and evaluated by the EDS modules. With the automatic fault location system, circuits with resistive type faults can be identified with indication locally on the face of the fault location monitor and in plain text on a remote display. Such functionality hastens fault finding efforts increasing operating room availability.

Benefits



Ensures system remains uninterrupted/online

Electrical issues can be detected and located while keeping the installation fully energized.



Reduces maintenance costs

Measurable decrease in maintenance costs due to the accuracy of detection and decreased need for human interaction with the system.



Improves safety for patients and staff

Empowers staff to easily diagnose issues rather than temporarily silencing the nuisance alarm and continuing under a potentially hazardous condition.



Clear indicator display

Easy-to-read indication of fault circuit displayed on LCD display at both the location device and select remote indicators.

1 Line Isolation Monitor LIM2010

- Real time, in-room hazard current notifications
- On-board data-logging for faster troubleshooting
- Prevents loss of power in hazardous situations



2 Ground Fault Location Kits EDS441-LNA KIT 1 or 2

- Saves costs by reducing downtime
- Automatically locates faults
- Easily diagnose issues



3 Remote Annunciator Station MK800

- Central notifications of IPP's
- Customizable readouts for Bender monitoring systems
- Closed surface for high standard of hygiene



4 Communications Gateway COM465IP

- Fully-featured, web interface accessible on all wifi compatible devices
- Email and text notifications for instant alerts
- Remotely configure Bender compatible devices

