

HIT-NOT[®]

PROXIMITY DETECTION

Ex Proximity System

Solutions for Potentially Explosive Environments

HIT-NOT[®]-Ex is engineered for Hazardous Locations (HazLoc) in industries that use mobile equipment; such as warehouses, manufacturing, ports, and others where equipment and pedestrians work in close proximity.

Unlike RFID, HIT-NOT[®] reads and warns through walls, racks, containers and other blind corner obstructions with audible and visual alerts to both the equipment driver and the pedestrian. The detection zones are stable even in heavy metal environments such as oil production where RF systems must combat multi-path reflections.

Our Ex series, a first in materials handling, provides reliable and precise proximity systems to be used in potentially explosive environments with certified equipment requirements.



XP Magnetic Field Generator

Cert# IECEx ICS 20.0027X



Flasher / Sounder

Cert# IECEx KTL 18.0029X



IS Personal Alarm Device

Cert# IECEx ICS 20.0020X

- HIT-NOT[®]-Ex is compatible with standard HIT-NOT[®] Systems that have been deployed for years.
- The only Proximity Detection System on the Market to cover the Entire Facility!
- No multiple systems or changing systems between standard and HazLoc areas.

What qualifies HIT-NOT[®] for the Ex environment?

- HIT-NOT[®] has led the way in the development of proximity detection systems for materials handling. It's **Patented Technology** was originally developed as [HazardAvert[®]](#) for the underground mining industry, a harsh XP environment.
- [HazardAvert[®]](#) was the First Proximity Detection System to complete a mandatory field trial in 2005, conducted by the Mine Safety and Health Administration (MSHA). [HazardAvert[®]](#) is being used throughout the world in multiple mining applications today. [HazardAvert[®]](#) also has IECEx Certifications.
- Both have been saving lives and preventing injuries for years. HIT-NOT[®] is deployed globally in many industries with over 40,000 units!
- Prior to [HazardAvert[®]](#) and HIT-NOT[®], Frederick Energy Products developed and manufactured ruggedized Gamma Radiation Detectors for downhole oil and gas drilling, among other applications, including IECEx approved systems.

Systems Patented, see Frederickenergy.com/Patents

How is HIT-NOT®-Ex configured to allow for easy integration into mobile equipment?

- All system components are IECEx certified.
- Add an entry point (open gland) into your current Ex box for power – System is then set for operation.
- When an Ex equipped truck travels to a Non-Ex area, a Remote Event Monitoring relay can be placed in a Non-Ex environment to provide both proximity and operational data from the mobile equipment.
- Provides both Pedestrian Detection (Vehicle to Pedestrian Alerts) and Collision Avoidance (Vehicle to Vehicle Alerts).



What happens if I go into a Non-Ex area of the facility with my Ex Equipment?

- Your Ex PAD responds to Non-Ex HIT-NOT® Systems exactly the same.
- You are protected in both areas.
- If you drive an Ex equipped truck into a Non-Ex area, workers and other vehicles in that part of the facility will still receive alerts from your vehicle, exactly as from Non-Ex HIT-NOT® equipped trucks.

Approved Gas Groups

Ex HIT-NOT® Components	Approved	NEC Comparison Ratings
	HIT-NOT Ex Proximity System	IECEx Ex ia IIB T3 Ga

How is HIT-NOT®-EX Sold and Serviced?

For facilities requiring both HIT-NOT® and HIT-NOT®-EX, contact your authorized HIT-NOT® Dealer. HIT-NOT®-EX is sold and serviced exclusively by the factory (Frederick Energy Products, LLC, 256-489-6915).