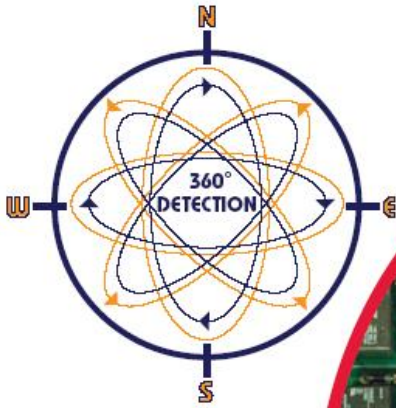


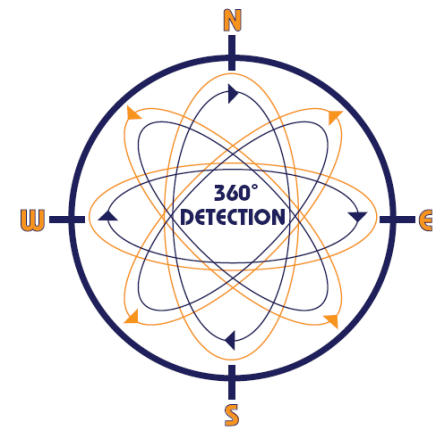
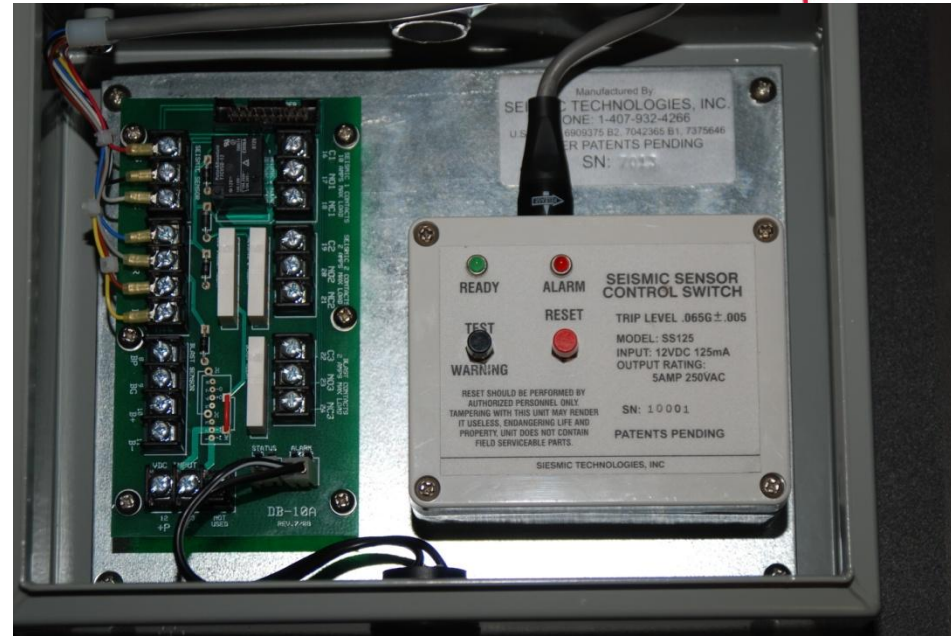


Seismic Sensor Control System



Seismic Sensor Control System

Tri-axial sensor system detects and identifies earthquake seismic patterns and provides an immediate signal to perform any number of functions



Three axis



General Specifications

- Nominal trip level 0.065 G +/- 0.005 G* (Modified Mercalli Scale oriented response) Other trip levels are factory programmed and are not field adjustable

MODIFIED MERCALLI SCALE		RICHTER SCALE	
I.	Felt by almost no one.	2.5	Generally not felt, but recorded on seismometers.
II.	Felt by very few people.		
III.	Tremor noticed by many, but they often do not realize it is an earthquake.	3.5	Felt by many people.
IV.	Felt indoors by many. Feels like a truck has struck the building.		
V.	Felt by nearly everyone; many people awakened. Swaying trees and poles may be observed.		
VI.	Felt by all; many people run outdoors. Furniture moved, slight damage occurs.	4.5	Some local damage may occur.
VII.	Everyone runs outdoors. Poorly built structures considerably damaged; slight damage elsewhere.		
VIII.	Specially designed structures damaged slightly, others collapse.	6.0	A destructive earthquake.
IX.	All buildings considerably damaged, many shift off foundations, Noticeable cracks in ground.		
X.	Many structures destroyed. Ground is badly cracked.	7.0	A major earthquake.
XI.	Almost all structures fall. Very wide cracks in ground.	8.0	Great earthquakes.
XII.	Total destruction. Waves seen on ground surfaces, objects are tumbled and tossed.	8.0 and up	

General Specifications

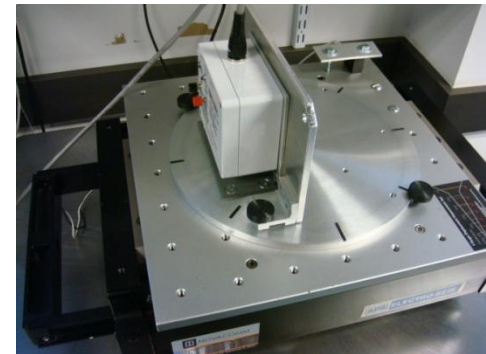
- Listed and certified UL 294 by MET labs
- Power: 12 or 24 VDC / Type 2 UL Listed power supply
- Onboard battery charging for power back up
- 72 Hrs. battery back-up included
- NEMA 4 rated liquid tight floor enclosure Meets NEMA 250 standards
- Frequency response: 1Hz to 10Hz
- Self diagnostics on power on, reset and test
- Visual and audible indicators



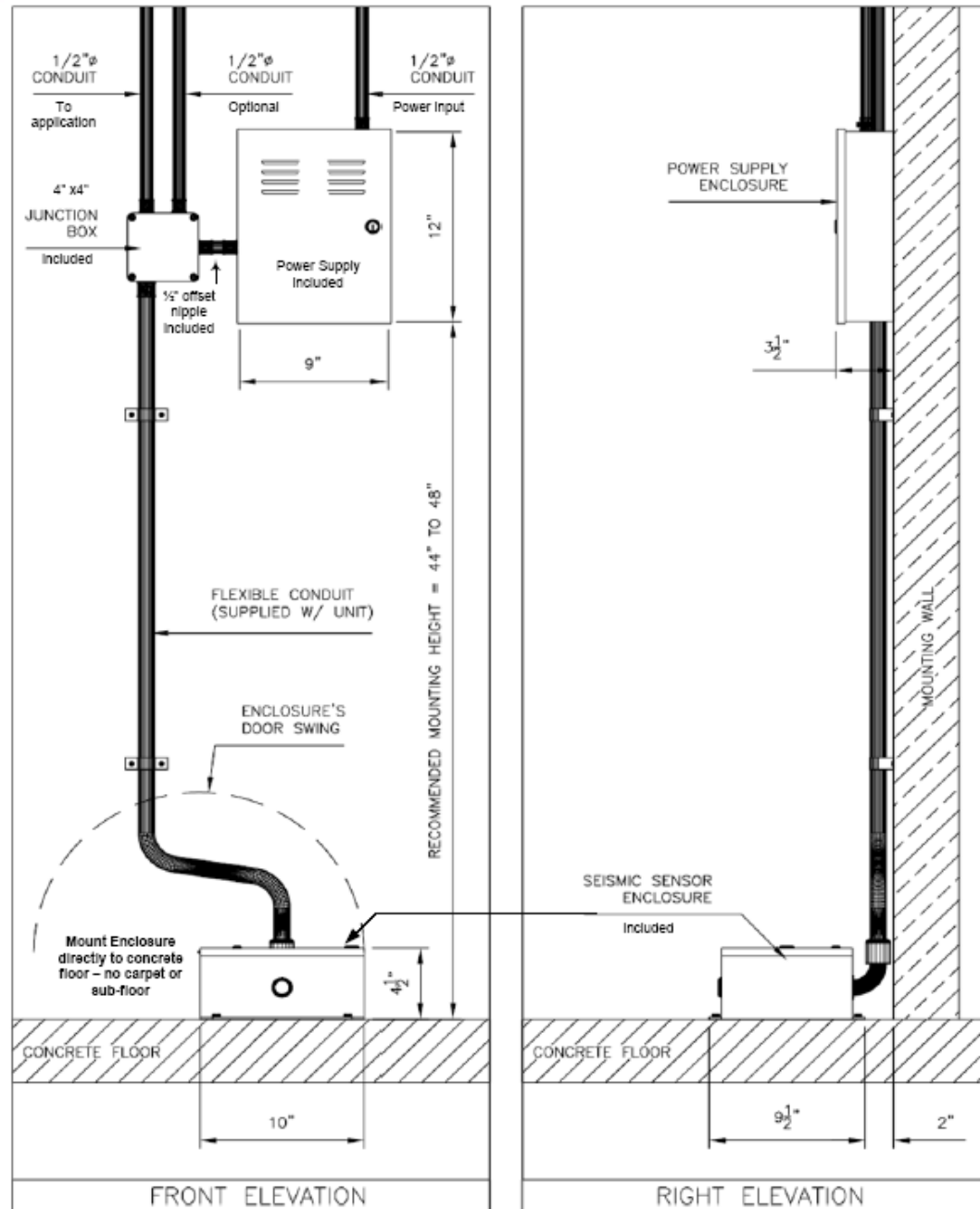


Key Features

- Simple and rapid installation
- Scientific accuracy (± 0.005 G from 1 to 10HZ) while maintaining a simple and rugged design suitable for life safety applications
- High sensitivity and discrimination of earthquake signatures
- Rigorous quality control with 45 individual tests per unit
- Low cost, high quality system
- Interfaces with existing systems like fire alarm panels, access controls, mass notifications, power controllers and shut down devices
- 2 Year warranty



Typical Installation





Installation & Service

- Installs in under 60 minutes
- Installation and service recommended to be performed by an access control or licensed Fire/Life Safety Technician or Electrical Contractor
- Step-By-Step installation instructions
- No programming required
- All installation hardware provided
- Installation kits available.
- Main sensor unit should be recertified annually. This process follows similar recommendations from NFPA for life safety.
- Manual test and reset required by authorized personnel only



System Uses

- Cut-off flow of gases from tanks or through lines
- Initiate earthquake protection/evacuation plan
- Release electronic access controlled doors
- Initiate notification to central monitoring stations through alarm panels
- Initiate specific message mass notification
- Release delayed egress doors - Fire doors
- Escalator shut down
- Shut down machinery at manufacturing facilities to minimize damage and/or shut down dangerous or toxic manufacturing processes
- Shut down electrical power grids
- Close valves on chemical storage tanks

System Uses

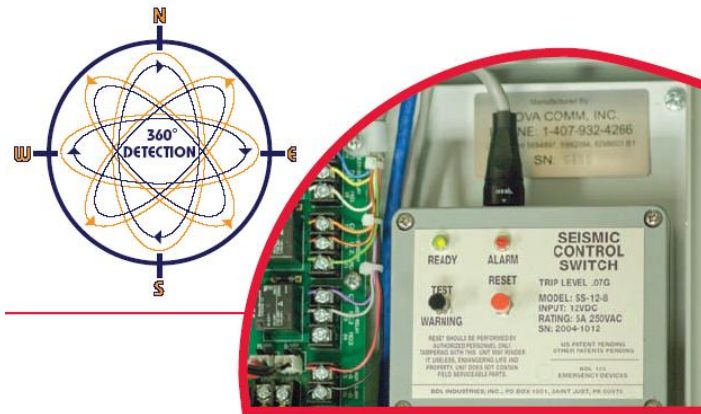
- Chemical plants: Explosive or flammable
- Nuclear plants - safe mode
- Computer data transfer for disaster recovery
- Shutdown gas station fueling pumps
- Shutdown gas and oil pipe lines
- Airports: Prevent takeoff and landings
- Transportation: Stop trains, Prevent traffic into tunnels and bridges



INFORMATIONAL

- Traffic alerts
- Early warning
- Remote notification of possible damage





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