Seismic Sensor Control System

www.SeismicTechInc.com
**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.
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.
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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