

MitiGator+ IND

Seismic Switch - Industrial Use

The MitiGator+ IND seismic switch offers a powerhouse of strong features for shutdown of industrial devices at the onset of a strong earthquake. Not only can the unit detect the earthquake waves, but it will also detect in all three axes: vertical, longitudinal and transverse.

The MitiGator+ IND is maintenance free and capable of performing its own tests, and its sensing elements are highly reliable. An RS-232 serial port allows you to communicate with this powerful little "beast."

The -IND version of the MitiGator+ provides a convenient enclosure and minimum of 3 hours backup battery power for the basic modular units. The enclosure is intended for use in control rooms and other indoor environments. The IND enclosures should never be used outdoors, in corrosive environments, or in other hostile environments. For these applications, contact Kinometrics for a custom enclosure.



FEATURES

- USB port for configuration and firmware updates
- Three independent relays allow flexibility for multiple alarm thresholds and power loss signalling.
- Pluggable Terminal strip allows easy field wiring.
- Bi-Color LED that supplies visual indication of operation and diagnostics/self-test problems.



SPECIFICATIONS

Power requirements	5-48 VDC Power. Unit draws less than 10mA from 12V with no relays energized. Draws less than 75mA from 12V with all 3 relays energized.
Sensors	Triaxial Acceleration Monitoring Micro-machined silicon accelerometers
Frequency response	Digital bandpass filter 1Hz to 15 Hz
Acceleration threshold	User selectable from 25mg to 0.5g
Switching elements	3 low power relays (the trigger threshold for each relay can be independently selected by the user)
Communications	<ul style="list-style-type: none">• RS-232C Serial port at 38400 baud• USB Port for data and optionally powering unit.
Diagnostics	Self-diagnostics at power on and reset
Enclosure dimensions	6" × 7.5" × 4"

Designed to shut down industrial equipment during a strong earthquake.

Designed to meet standards for:

Gas Shutoff Devices according to ASCE 25-97

Elevators according to ASME A17.1

Hospital Elevators according to CA Code 3137