# EQMet
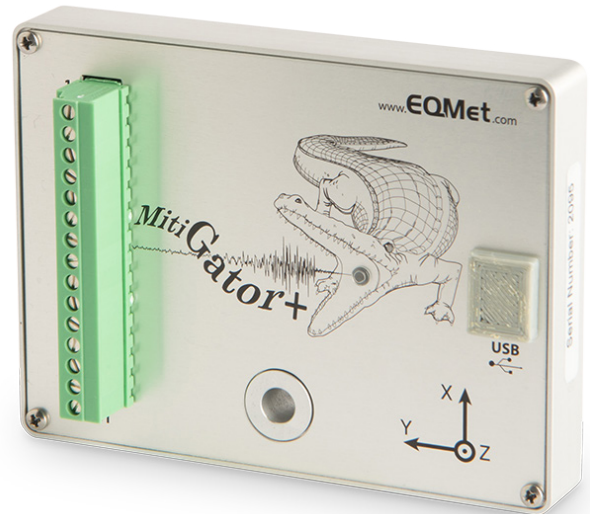
# MitiGator+

## Seismic Switch

The MitiGator+ is designed to shut down elevators, escalators, industrial equipment and other critical devices during a strong earthquake. Small, lightweight, and inexpensive, the MitiGator+ seismic switch offers a powerhouse of strong features.

Inside the compact 3″ × 4″ × 0.75″ case is a programmable computer capable of shutting down critical devices at the onset of a strong earthquake. Not only can the MitiGator**+** detect earthquake waves, but it will also detect in all three axes: vertical, longitudinal and transverse.

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

## FEATURES

- USB port for configuration and firmware updates
- Three independent relays allow flexibility for multiple alarm thresholds and power loss signalling.
- Plugable 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 15Hz |
| **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** | • RS-232C Serial port at 38400 baud<br>• USB Port for data and optionally powering unit. |
| **Diagnostics** | Self-diagnostics at power on and reset<br>Temp range -25°C to +70°C |
| **Dimensions** | 3" x 4" x 0.75" |

Designed to shut down elevators, escalators and other critical devices during strong earthquakes.

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