SEISODIN

Earthquake Alarm

Seisodin Earthquake Alarm

Act Instantly with a Seismic Alarm

With a Seisodin Earthquake Alarm System you will get an instant alarm when an earthquake has been detected.

The system consist of 1 scientific-grade seismic accelerograph and a control panel with a 10" touch display. The control panel contains an alarm system with sound and light, which will activate when an earthquake is detected by the sensor. The control panel also contains 3 configurable relays which can be connected to an external appliance for automatic shut down, or external alarm activation. The system easily connects to fire alarm systems, PLC's and other control systems which can read dry contact relay states, and even has a built-in backup battery so the system will continue operating during a power outage.

Seisodin Earthquake alarms may easily be expanded from 1 to 3 sensors to further enhance the system, and reduce the risk of false alarms.

Seisodn Earthquake Alarm shown with optional 3 sensors

FEATURES

- Easy to use and simple to install
- Integrated siren and warning light
- 3 configurable relays + 1 system fault relay
- No maintenance (10yr calibration-free)
- Simple cabling using Ethernet cable
- Built-in backup battery (UPS)
- Integrated GPS for precise timing
- Seismic Event reports with earthquake intensity in MMI seismic scale
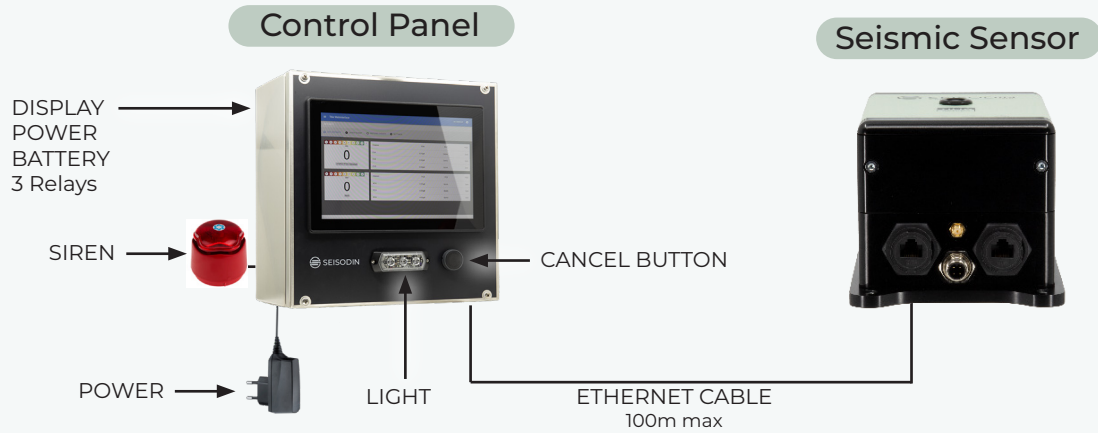
OPTIONAL FEATURES

- Cloud system for data and reports
- 4G modem
- MP3 voice annunciator
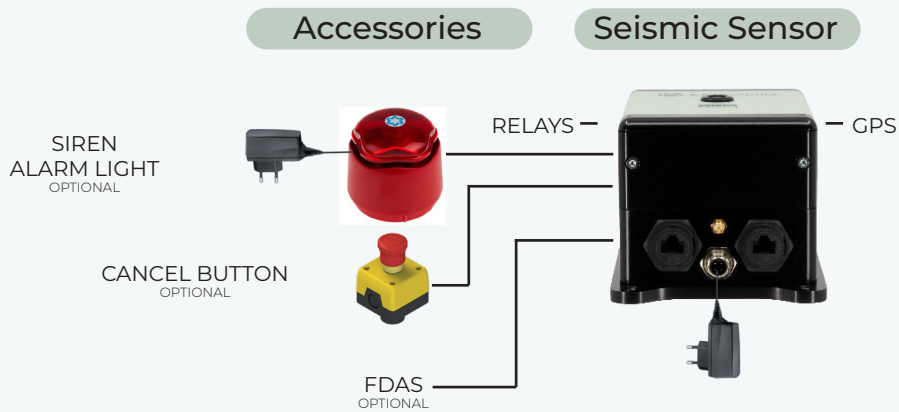- Upgrade to Class-A accelerograph (FBA)

SEISODIN

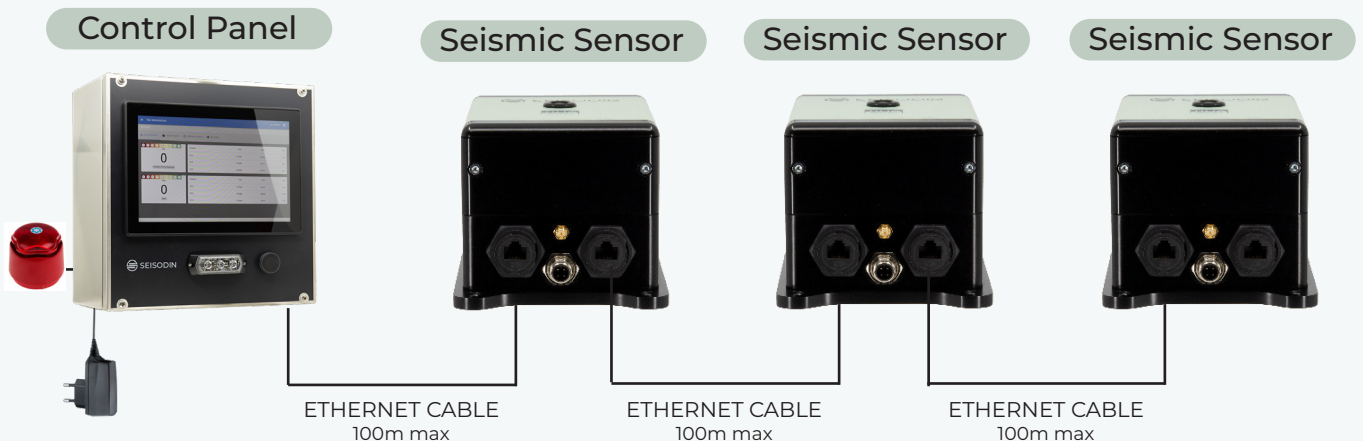# Connection Diagram

SINGLE INSTRUMENT SOLUTION

Control Panel

Seismic Sensor

DISPLAY
POWER
BATTERY
3 Relays

SIREN

CANCEL BUTTON

POWER

LIGHT

ETHERNET CABLE
100m max

SINGLE INSTRUMENT SOLUTION (NO DISPLAY)

Accessories

Seismic Sensor

SIREN
ALARM LIGHT
OPTIONAL

RELAYS

GPS

CANCEL BUTTON
OPTIONAL

FDAS
OPTIONAL

MULTIPLE INSTRUMENTS SOLUTION

Control Panel

Seismic Sensor

Seismic Sensor

Seismic Sensor

ETHERNET CABLE
100m max

ETHERNET CABLE
100m max

ETHERNET CABLE
100m max

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User Interface

Live View and Instant Alarm!
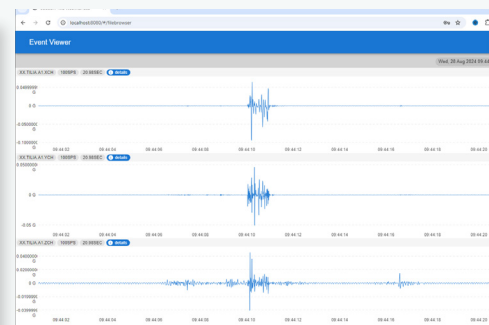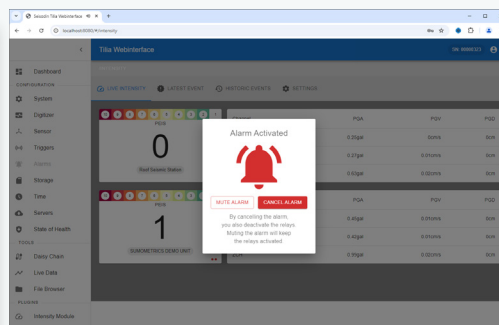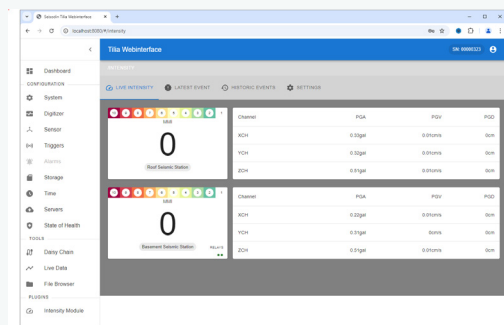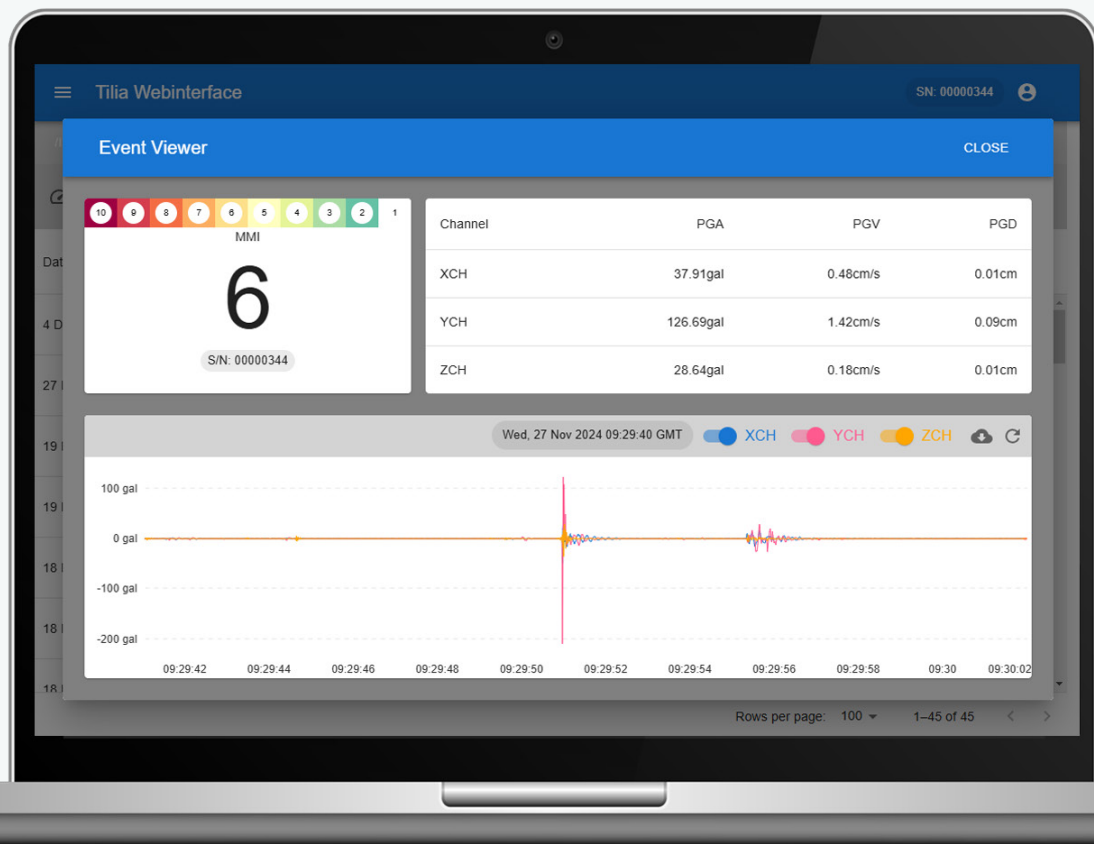
What is in the box?

Tilia T100
State-of-the-art networked seismic strong motion accelerograph with 250Hz bandwidth and a dynamic range of up to 105dB. The instrument integrates sensors and digitizers in the same box, greatly lowering system complexity. Instruments have double ethernet interface to allow daisy chaining multiple accelerographs.

Tilia Control Panel
Control panel for use with Seisodin Earthquake Alarm system. The panel contains a 10" industrial touch screen with access to monitoring and alarm interface and has an integrated siren and warning light which activate when an earthquake is detected. The control panel also contains 3 configurable relays which can be used for automatic shutdown or external alarm activation. The Tilia Control Panel includes all software required for live monitoring of seismic activity.

50m Ethernet Cable
CAT5E 24AWG ethernet cable for connecting one Tilia sensor to a control panel. Comes with RJ45 connectors already mounted. Different cable lengths available on request.

Optional Accessories

4G MODEM
4G/LTE Modem with support for VPN connections. Ideal for connecting to Seisodin Cloud or gaining remote access to the system.
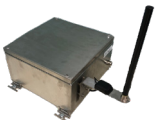
Tilia Protective Enclosure
300 x 300 mm stainless steel enclosure.
Suitable for extra protection of Tilia instruments.

Tilia External Siren and Alarm Light
Combined siren and alarm light, including power supply and connector for either Tilia Instrument or as extra siren for Control Panel.

Tilia External Cancel Button
Externally mounted push button for canceling alarms in Tilia instruments or control panels.

SEISODIN

Tested, Certified and Approved

Seismic Qualification
IEC 60068-3-3 Seismic Zone 4
ACCREDITED TEST REPORT AVAILABLE

Seisodin Tilia Accelerographs are fully seismically tested according to international standard IEC 60068-3-3 and have been qualified for use in seismic zone 4, making it sutiable for use in even the most active seismic regions in the world.

Additionally, the instruments have been tested and approved by national agencies around the world.

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