TILIA CP10 CONTROL PANEL

TILIA SERIES

SEISODIN

10” SEISMIC CONTROL PANEL

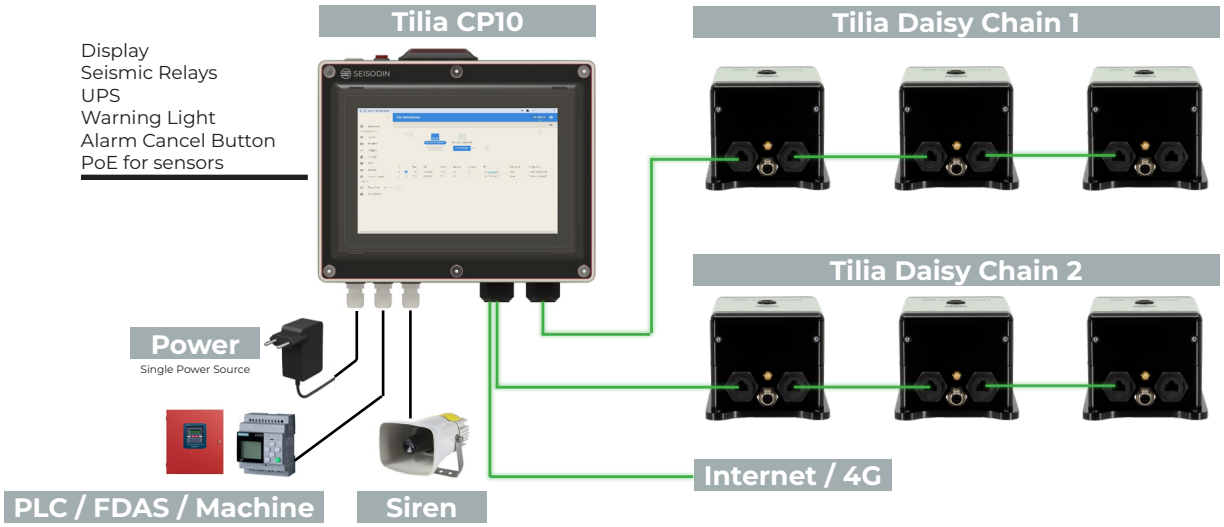
The Seisodin Tilia CP10 is a powerful seismic control panel and alarm device with integrated uninterruptible power supply, designed for direct connection to Tilia Seismic Accelerographs.

Tilia CP10 is an extremely capable seismic control panel, designed for direct connection to Seisodin Tilia Accelerographs like Tilia T130 and Tilia T100. The control panel features a 10” touch display for instant access to seismic data and system configurations. Tilia CP10 contains 5 network operated seismic relays which can be activated directly by the connected accelerographs. An integrated button to cancel alarms and reset the relays is also provided directly in the box, as well as a PLC input allows to reset the relays and alarms externally from either a PLC, external control system or an additional reset-button. Up to 10 Tilia Accelrographs can be connected and powered through the integrated PoE interfaces, arranged in up to 2 daisy chains. This way only a single power source is required for the entire system. The power system is fully backed by the integrated uninterruptible power supply (UPS) which keeps both accelerographs, relays, alarms and display running for hours without external power.

Key Specifications

10” Touch Screen

- 5 Relays
- Siren output
- Integrated warning light
- Integrated backup-battery (UPS)
- Integrated button to cancel alarms
- PLC input
- Connect up to 2 Tilia Daisy Chains
- Connect up to 10 Tilia sensors
- Power sensors directly through PoE



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TECHNICAL SPECIFICATIONS

Monitor

Display	10” Touch Display
Resolution	1280 x 800 pixels

Relays & Alarms

Relays	5 relays, 30VDC / 2A. Three user-configurable NO/NC relays, + one relay reserved for siren + one relay reserved for system fault.
Reset button	1 integrated alarm reset button with signal light.
Warning light	Integrated warning light, red
PLC interface	1 input for PLC to cancel alarms
Siren	Connection for external siren

Uninterruptible Power Supply (UPS)

Battery, internal	12V / 7.2Ah
Battery, external	Optional
UPS function	Automatic switch-over
Autonomy time	Depending on configuration
	Internal Battery (7.2Ah): 1 sensor (monitor on): 6 hours 1 sensor (monitor off): 12 hours
	External battery (60Ah): 1 sensor (monitor on): 48 hours 1 sensor (monitor off): 96 hours

Communication

Ethernet	4 x 10/100 Base-T, fixed IP
4G/LTE	Optional

Connections

Tilia Daisy Chain	2 parallel daisy chains with PoE
Number of sensors	Up to 10 sensors
Internet/Network	1 port for connection to network

Connectors

Daisy Chains	2 x RJ45
Internet/Network	1 x RJ45
Power supply	Screw Terminals
Relays	Screw Terminals
Siren	Screw Terminals
PLC input	Screw Terminals

Power

Power supply	15.0VDC / 5A (60W max)
Switch	Key-operated power switch
PoE Output	2 ports with PoE, 30W

Dimensions & Environment

Dimensions	300mm x 274mm x 127mm
Weight	0kg
IP-rating	IP23
Temperature	-20C to +70C

Specifications subject to change without notice

SEISODIN

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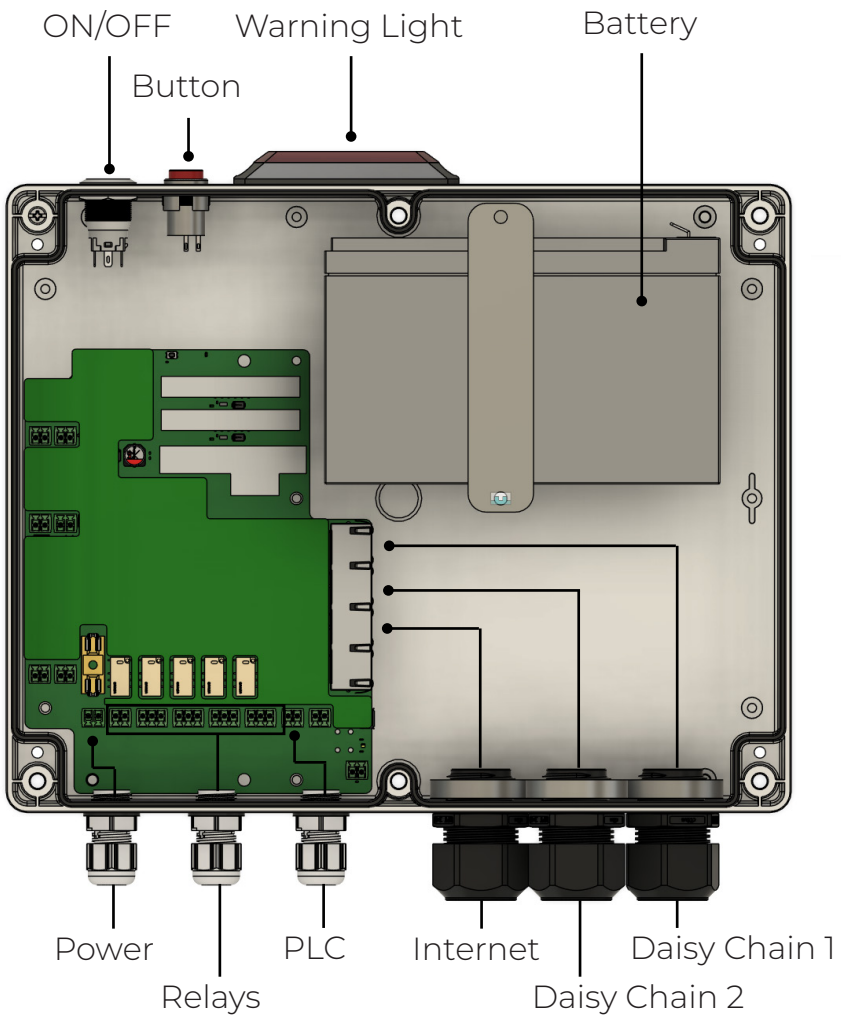
TECHNICAL INTERFACE



SEISODIN

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