

TILIA CP10 CONTROL PANEL

TILIA
SERIES



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.

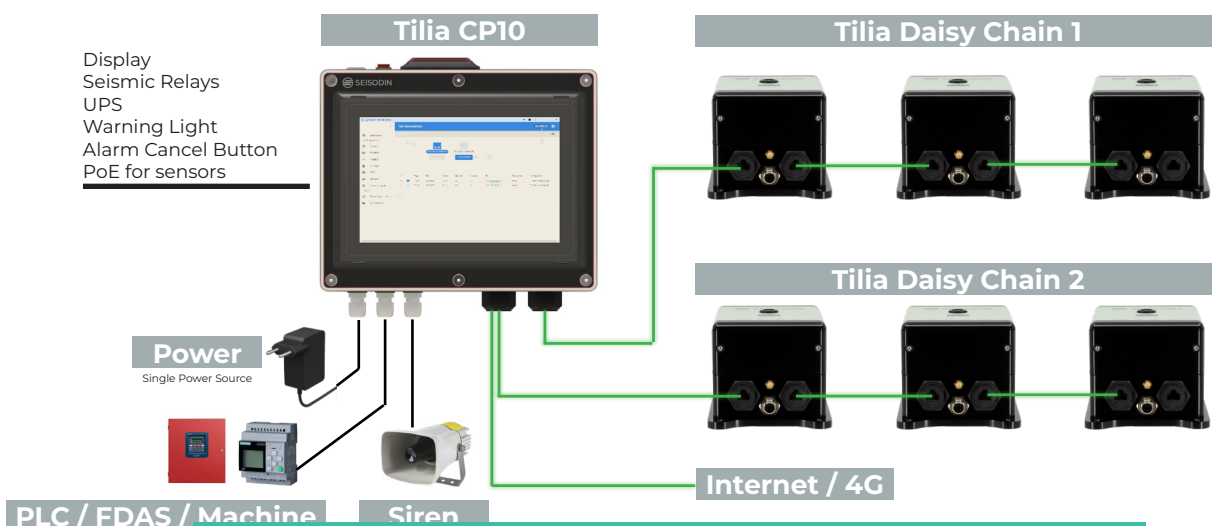
Tilia CP10 is an extremely capable seismic control panel, designed for direct connection to Seisodin Tilia Accelerographs like Tilia T130 and Tilia T100. The control panel features a 10" touch display for instant access to seismic data and system configurations. Tilia CP10 contains 5 network operated 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 Accelerographs 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 Resolution 10" Touch Display
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 4G/LTE 4 x 10/100 Base-T, fixed IP
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 5.5kg (incl. battery)

IP-rating IP21

Temperature -20C to +70C

Specifications subject to change without notice



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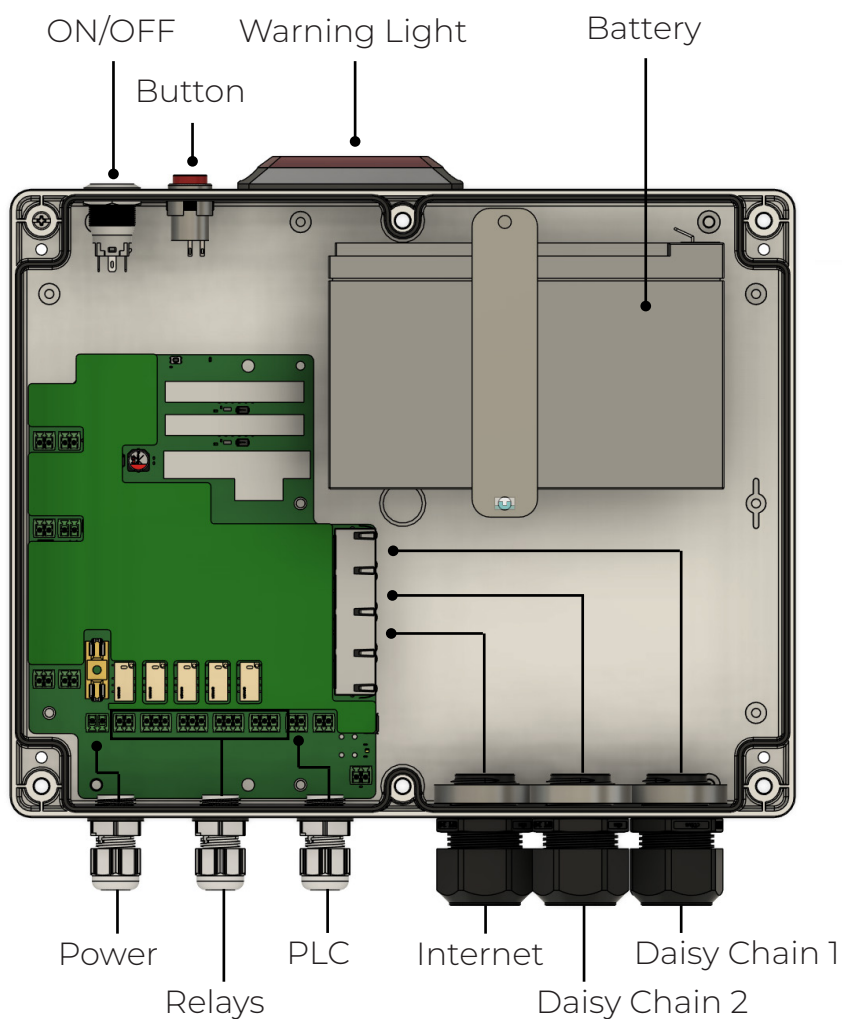


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TECHNICAL INTERFACE



SEISODIN

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