

TILIA SCB SEISMIC CONTROL BOX

TILIA
SERIES



SEISMIC CONTROL BOX

The Seisodin Tilia SCB is a powerful seismic control box and alarm device which integrates network relays, PoE switch and uninterruptible power supply* in one device. It is designed for direct connection to as much as 10 Tilia Accelerographs in 2 chains

Need a display?

Tilia CP10 offer same functionality as Tilia SCB, but with an integrated touch display.

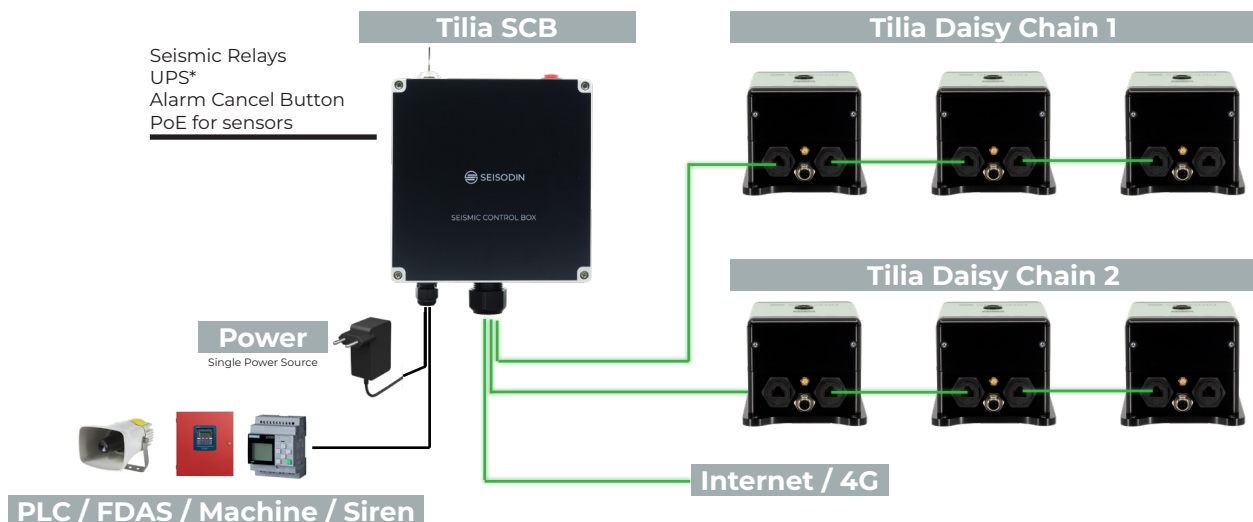
Tilia SCB is an extremely capable seismic control box, designed for direct connection to one or multiple Seisodin Tilia Accelerographs like Tilia T130 and Tilia T100. The Control Box functions as a network relay, PoE Switch and uninterruptible power supply (UPS) in one. SCB contains 5 network operated 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 and alarms running for hours without external power.

Key Specifications

- 5 Network Relays
- Siren output
- UPS functionality*
- 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

* UPS requires optional external 12V battery





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TECHNICAL SPECIFICATIONS

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.
PLC interface	1 input for PLC to cancel alarms
Siren	Connection for external siren

Uninterruptible Power Supply (UPS)

Battery, internal	Not Available
Battery, external	Optional 12V
Battery charger	12V lead-acid, 1A charging
UPS function	Automatic switch-over
Autonomy time	Depending on configuration
	External Battery (7.2Ah): 1 sensor: ~20 hours
	External battery (60Ah): 1 sensor: ~1 week

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 total
Internet/Network	1 port for connection to network

Connectors

Daisy Chains	2 x RJ45
Internet/Network/4G	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	180mm x 225mm x 96mm
Weight	0.9kg
IP-rating	IP21
Temperature	-20C to +70C

Specifications subject to change without notice



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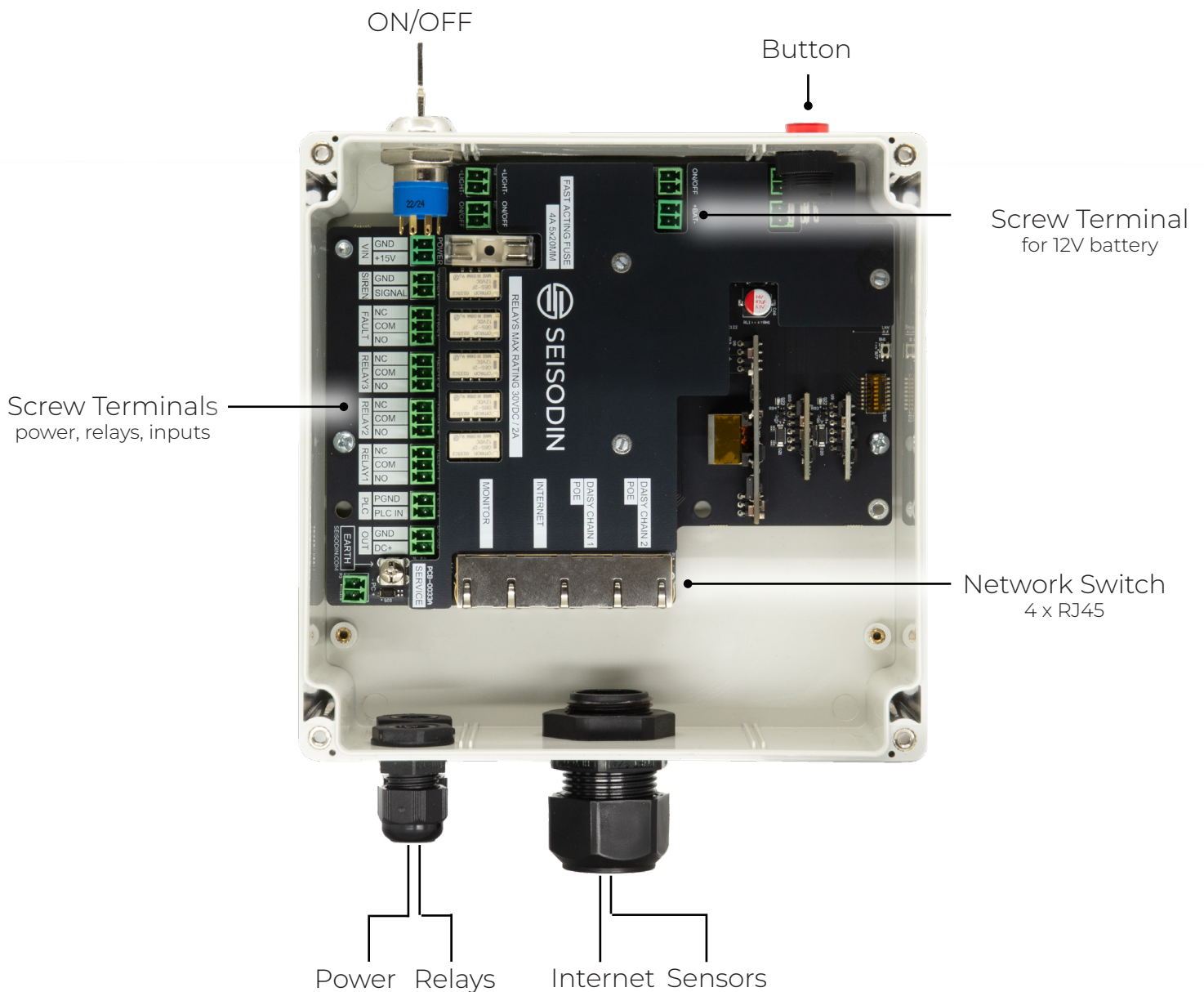


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TECHNICAL INTERFACE



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