Altronix®

T2SSK75F14V (Kit)
Access & Power Integration Solution for Lenel-S2

TROVE™

Altronix T2SSK75F14V kit consists of Trove2 enclosure, TSS2 Lenel-S2 (S2 Security Platform) / Altronix backplane with one (1) 24VDC @ 10A power supply/charger, one (1) 12VDC @ 10A power supply/charger, two (2) fused access power controllers and two (2) fused power distribution modules.

This kit also accommodates S2-INST Installation Kit For Lenel-S2 (S2 Security Platform) S2 Network Node for up to fourteen (14) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

S2 SECURITY

T2SSK75F14V

*S2 boards are not included

Key Features

- 24VDC and 12VDC power supply/chargers
- Accommodates S2-INST Installation Kit
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Sixteen (16) double knockouts
    1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown

- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- CE European Conformity
- Lifetime Warranty*

*Altronix Power Supply/Chargers and Sub-Assemblies only

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Specifications

Power Supply/Charger 1 (eFlow104NBV):

Input

Voltage	220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.7A.
Input Fuse	6.3A/250V

Output

Voltage	24VDC @ 10A
Auxiliary	1A (unswitched)
Protection	Overvoltage protection. Filtered and regulated

Power Supply/Charger 2 (eFlow102NBV):

Input

Voltage	Input 220VAC (working range 198VAC - 256VAC), 50/60Hz, 2.1A.
Input Fuse	5A/250V

Output

Voltage	12VDC @ 10A
Auxiliary	1A (unswitched)
Protection	Overvoltage protection. Filtered and regulated

Both Power Supplies:

Battery Charging

Capacity	12VDC/12AH (4 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

Fire Alarm Disconnect

Supervised	Latching or non-latching
EOL	10K Resistor

Supervision

AC Failure	Form "C" contacts
Battery	Form "C" contacts

Low DC Power Shutdown

Shuts down DC output terminals if battery voltage drops below 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge

Indicators (LED)

AC Input	220VAC is present
DC Output	Powered
Battery	Discharged or not connected

Two (2) Access Power Controllers (ACM8):

Input

Voltage	24VDC from eFlow104NBV
Input Fuse	10A/250V

Outputs

Voltage	24VDC or 12VDC

Eight (8) 24VDC independently controlled fused outputs:
a) Fail-Safe and/or Fail-Secure power outputs
    Form "C" Relays rated 28VAC or VDC @ 2.5A
b) Auxiliary power outputs (unswitched)
c) Any combination of the above

Output Fuses	3.5A/250V

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

Two (2) Power Distribution Modules (PD8UL):

Input

Voltage	12VDC from eFlow102NBV

Outputs

Voltage	12VDC
Output Fuses	3.5A/250V

Indicators (LED)

Green LED	DC Output

T2SSK75F14V Kit:

CE	European Conformity

Physical and Environmental

Dimensions (H x W x D)
Enclosure:
    27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)
Shipping:
    32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

Weight (approx.)

Product	49 lb. (22.23 kg)
Shipping	53.35 lb. (24.2 kg)

Temperature

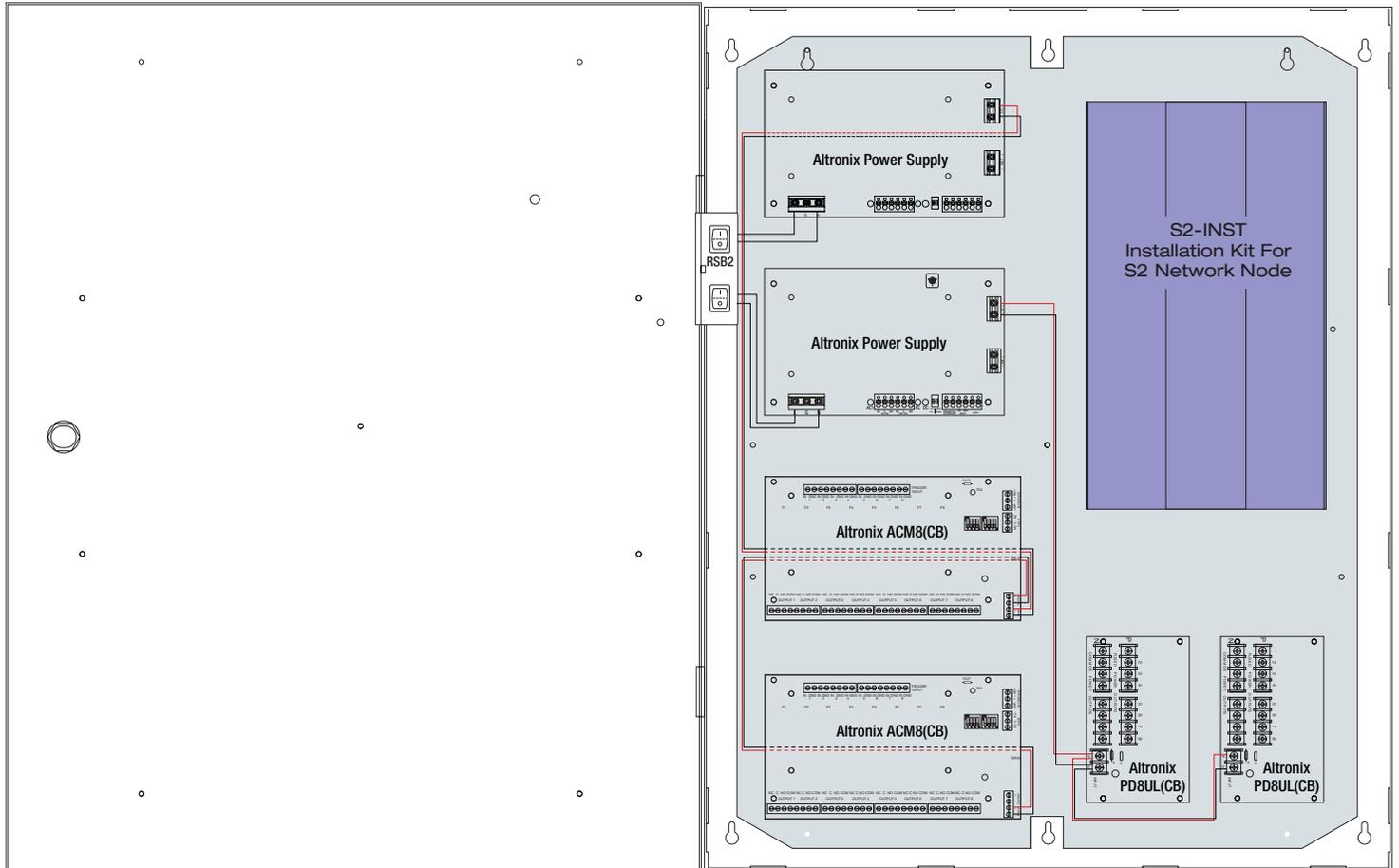|	
Operating	0ºC to 49ºC (32ºF to 120ºF)
Storage	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%
BTU/Hr (approx.):	191 BTU/Hr.

Access Controller Position Chart for the S2-INST Installation Kit:

Altronix Power Supply

RSB2

Altronix Power Supply

S2-INST
Installation Kit For
S2 Network Node

Altronix ACM8(CB)

Altronix ACM8(CB)

Altronix
PD8UL(CB)

Altronix
PD8UL(CB)

Accessories (order separately)

LINQ2 - Network Supervision
Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN
- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email

LINQ2

WM5, WM25, WM100 - Magnetic Cable Tie Mounts
Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively.
They accommodate standard zip ties or velcro straps.
These are ideal for wire management in our Trove series.

WM5

MM4, MM8, MM12, MM24 - Magnetic Mounting Solution
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/accessories in any metal enclosure or backplane.

Mounting Magnet

BR1 - Sub-Assembly Mounting Bracket
Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

BR1

Trove2BWC with batteries

Trove2BWC with wires

TROVE2BWC - Battery/Wire Trough Enclosure
Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution.The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets.Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

Dimensions and Drawing

Dimensions (H x W x D approximate)

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)