

T2SSK2Q (Kit)

Access & Power Integration Solution for Lenel-S2



Altronix T2SSK2Q 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 eight fuse protected dual input/output network/managed access control modules and two eight fuse protected dual input/output network/managed power distribution modules. Also included is a 5-Port hardened switch board. This kit also accommodates S2-INST Installation Kit For Lenel-S2 (S2 Security Platform) S2 Network Node for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2SSK2Q



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

**Altronix Power Supply/Chargers and Sub-Assemblies only*

Specifications

Power Supply/Charger 1 (eFlow104NB):

Input	
Voltage	120VAC, 60Hz, 4.5A max.
Input Fuse	6.3A/250V
Output	
Voltage	24VDC @ 10A
Auxiliary	1A (unswitched)
Protection	Overvoltage protection. Filtered and regulated

Power Supply/Charger 2 (eFlow102NB):

Input	
Voltage	120VAC, 60Hz, 3.5A max.
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	120VAC is present
DC Output	Powered
Battery	Discharged or not connected

Two (2) Network Power Distribution Modules (LINQ8PD):

Input	
Voltage	24VDC from eFlow104NB and 12VDC from eFlow102NB
Input Fuses	15A/32V

Outputs

Fuse protected outputs	Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2
Individual outputs may be set to OFF position for servicing	
Output Fuses:	3A/32V

Status Monitoring

Power Supply output voltage and load, Voltage and load of each output
 FACP trigger and reset status, Unit temperature (Celsius)
 Power Supply AC and Battery status, Battery health

Reporting:

Windows Dashboard Alert messages
 E-mail notifications, Event Log tracks history

Indicators (LED)

Bat Local	Charging current status
FACP	Triggered / Released
Input	Input signal
Out1 - Out8	Output status

Two (2) Network Access Power Controllers (LINQ8ACM):

Input	
Voltage	24VDC from eFlow104NB and 12VDC from eFlow102NB
Input Fuses	15A/32V

Outputs

Fuse protected outputs
 Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2
 Individual outputs may be set to OFF position for servicing
 Output Fuses: 3A/32V

Programming Features:

Eight (8) Programmable Outputs:

- Fail-safe, fail-secure or auxiliary outputs
- Input controlled or manually controlled through software
- High (over) and low (under) voltage and current monitoring by output
- Multiple outputs may be programmed to be triggered by a single input
- Battery back-up by output

Eight (8) Programmable Trigger Inputs:

- Normally open (NO), Normally closed (NC) or Open collector sink inputs
- Wet Input (5VDC - 24VDC) with 10k resistor
- Any combination of the above

Other Programmable Trigger Inputs:

- Monitor power supply(ies) input for voltage and current limits (high/low)
- Input and output current calibration, Programmable timer events
- Programmable user levels, Enable or disable alerts by type
- Programmable alert reporting delay

Indicators (LED)

Green AC LED:	indicates AC trouble condition
Green BAT LED:	indicates battery trouble condition
Green FACP LED:	indicates FACP disconnect is triggered
Flashing Blue Heartbeat LED:	indicates network connection
Individual OUT1 - OUT8 LEDs:	indicate outputs are triggered
Individual Voltage LEDs:	indicate 12VDC (Green) or 24VDC (Red)

5-Port Hardened Switch (NetWay5B):

Input	24VDC, current draw: 150mA
Ethernet Ports:	Five (5) 10/100/1000 Mbps data ports
	Connectivity: RJ45, auto-crossover
	Wire type: 4-pair CAT5 or better structured cable
	Distance: up to 100m
	Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation

Indicators (LED)

Individual PoE On LEDs for each port
 Individual IP Link status, 10/100Base-T/active LEDs for each port

T2SSK2Q Kit:

Agency Listings

CE	European Conformity
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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	58.3 lb. (26.4 kg)
Shipping	63.3 lb. (28.7 kg)

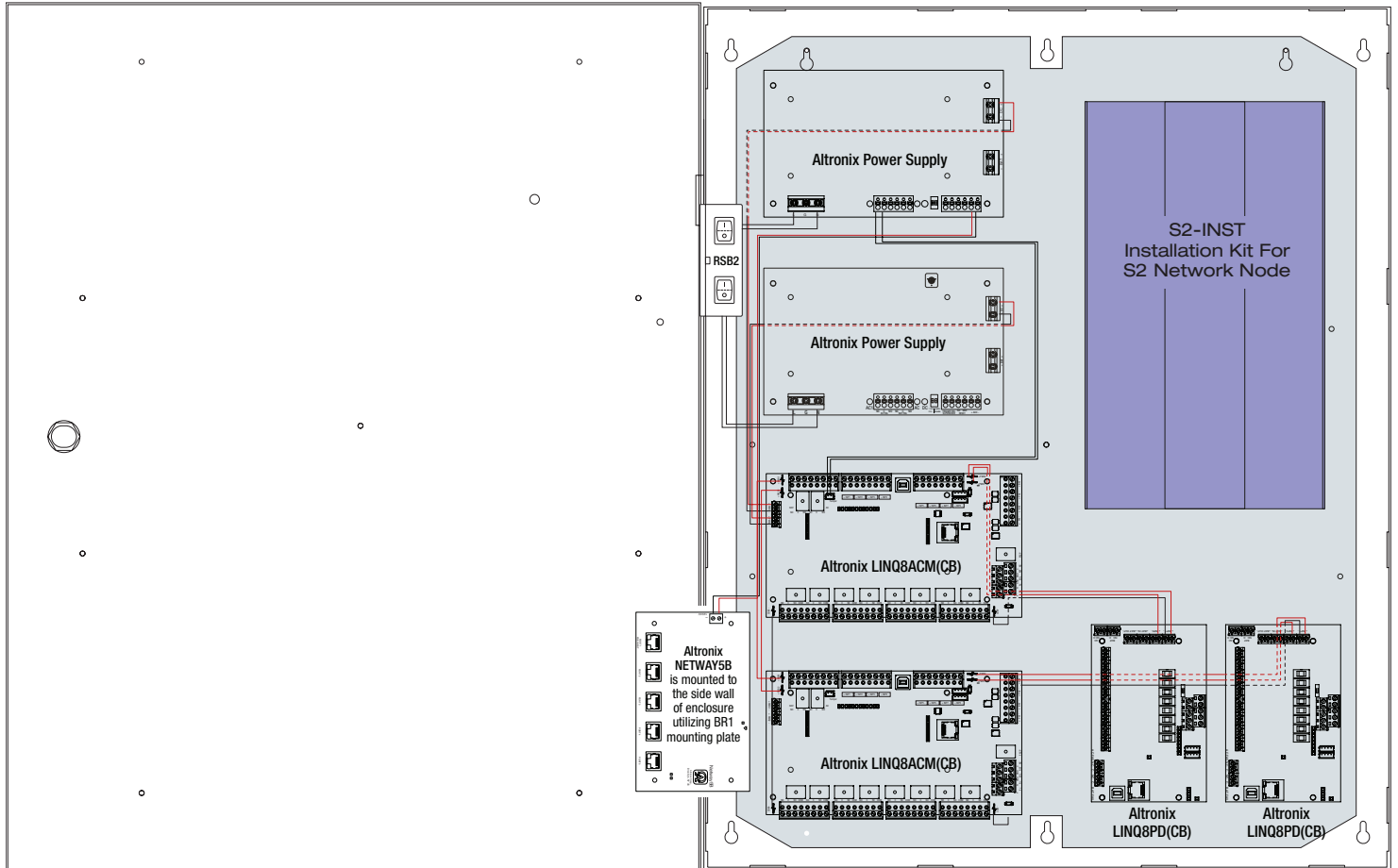
Temperature

Operating	0°C to 49°C (32°F to 120°F)
Storage	- 20°C to 70°C (- 4°F to 158°F)

Relative Humidity

	85% +/- 5%
BTU/Hr. (approx.):	196 BTU/Hr.

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



Accessories (order separately)

WM5

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.



Mounting Magnet

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.



BR1

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.

Trove2BWC
with
batteriesTrove2BWC
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.

