

T2SH75XK1DQ2P (Pre-wired Kit)

Access & Power Integration Solution for Software House



Altronix T2SH75XK1DQ2P is a 8-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Software House hardware. This unit provides ample power and dual voltage outputs to support Software House platform controllers and locking devices. The T2SH75XK1DQ2P accommodates one (1) iStar Ultra GCM/GCM G2 and two (2) iStar Ultra ACM Modules. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.

SOFTWARE HOUSE



Software House boards are not included

Key Features

- 24VDC and 12VDC power supply/chargers
- Accommodates one (1) iStar Ultra GCM/GCM G2 and two (2) iStar Ultra ACM Modules
- 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
- Unit includes:
 - Removable backplane
 - 2" high finger duct for wire management
 - Custom wire assemblies for power distribution with terminal blocks for controller connections
- 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
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
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

Network Communication Module (LINQ2):

Status Monitoring

AC status; Output current draw; Unit's temperature;
DC output voltage; Low Battery/Battery presence detection
Input trigger state change; Output (relay and power supply) state change

Programming

Battery service date indication
Programmable via USB or web browser
Automated timed events:
- Control output relays and power supply via flexible timing parameter

Reporting

Programmable dashboard notifications
E-mail notification selectable by event
Event log tracks history (100+ events)

Indicators (LED)

Blue LED: Power ON

5-Port Hardened Switch (NetWay5A):

Input	
12VDC, current draw: 150mA	
Ethernet Ports:	
Five (5) 10/100 Mbps data ports	
Connectivity: RJ45, auto-crossover	
Wire type: 4-pair CAT5 or better structured cable	
Distance: up to 100m	
Speed: 10/100 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

Network Power Distribution Module (LINQ8PDCB):

Input:	
Voltage	24VDC from eFlow104NB and 12VDC from eFlow102NB
Input Fuses	15A/32V
Outputs:	
Output Ratings:	PTC outputs rated 2.5A
Other:	Power output can be locally or remotely controlled Surge suppression

Status Monitoring:

Power Supply(ies) 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

Indicators (LED):

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

Reporting:

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

Programming Features:

Power Supply(ies) voltage and load limits (High/Low)
FACP trigger type (wet or dry-NO/NC)
Input Function (FACP reset/tamper)
Output Reset Trigger (NO/NC)
Battery Monitor Configuration:
- Battery condition (Low/Normal/Missing)
- Service Date
Configurable Output Relay(s).
Individual Output Configuration:
- Device ID
- Voltage and Current Limits (High/Low)
- FACP Trigger Setting (latching/non-latching/inactive)
- Battery Backup

Fire Alarm Interface:

Supervised FACP disconnect (Latching or Non-Latching)
FACP reset (NC or NO)

T2SH75XK1DQ2P Kit:

Agency Listings

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	54.3 lb. (24.6 kg)
Shipping	59.3 lb. (26.9 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

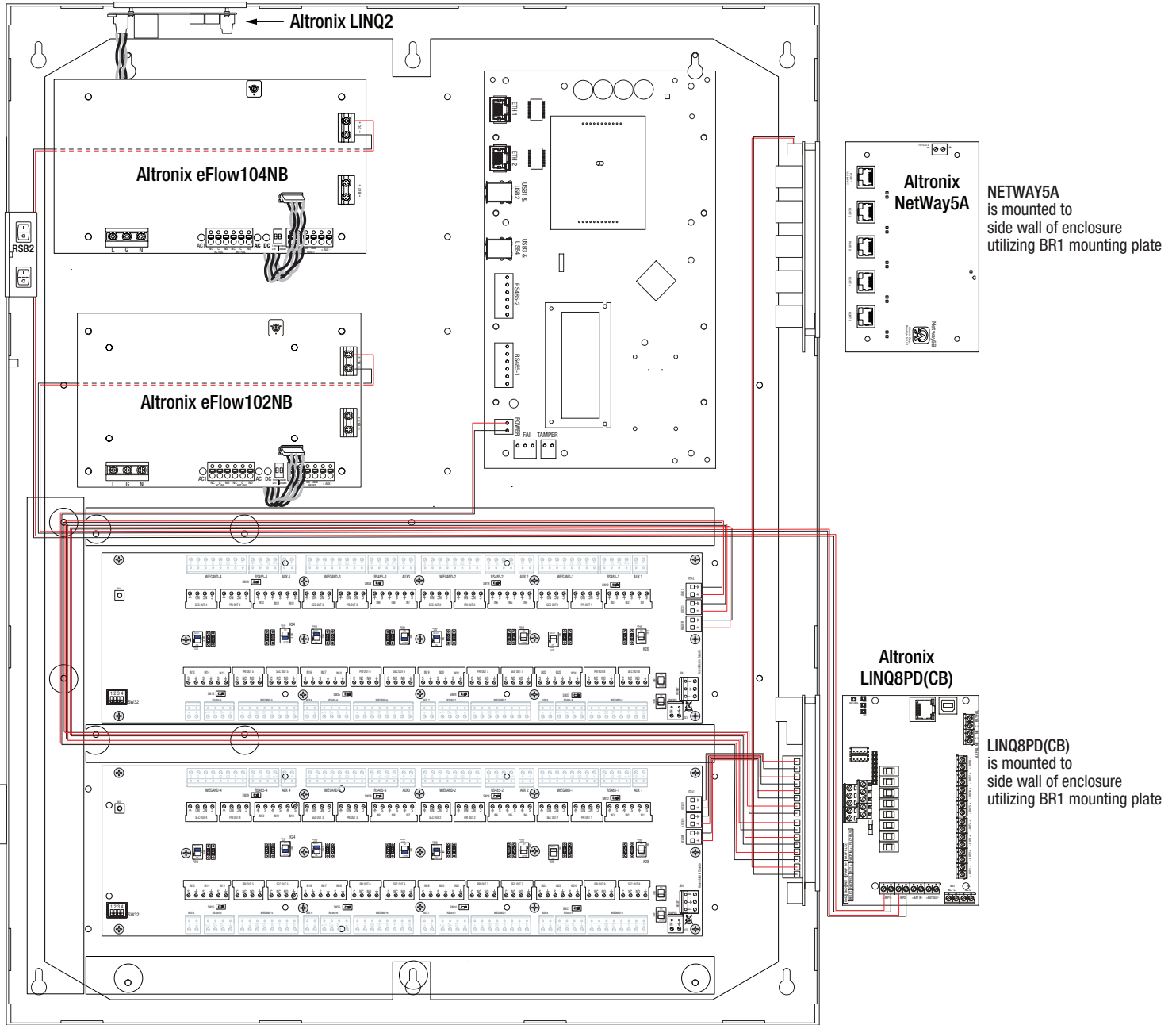
85% +/- 5%

BTU/Hr (approx.):

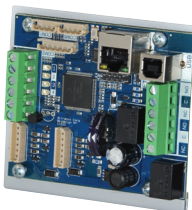
217 BTU/Hr.

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Accessories (order separately)



LINQ2

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



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
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)

