Altronix T3SH75XK1Q 16 Door access and power Integration kit User Guide

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Altronix®

T3SH75XK1Q (Pre-wired Kit)

Access and Power Integration Solution for Software House

Rev. 10202023

TROVE PLUS

Altronix T3SH75XK1Q is a 16-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 T3SH75XK1Q accommodates up to one (1) iStar Ultra GCM/GCM G2 Controller and two (2) iStar Ultra ACM. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.

SOFTWARE HOUSE

T3SH75XK1Q - includes eFlow104NB, eFlow102NB, 2 - LINQ8ACM and PDS16 with finger duct and wire harnesses for iStar Ultra GCM/ iStar Ultra GCM G2 and 2 - iStar Ultra ACM

Software House boards are not included

Contents

1 Key Features
2 Specifications
3 Accessories (order separately)
4 Dimensions and Drawing
5 Documents / Resources
5.1 References

Key Features

– Accommodates the following Software House controllers:
1 – iStar Ultra GCM/ iStar Ultra GCM G2 and 2 – iStar Ultra ACM
– Programmable Features:
– Fail-safe, fail-secure or auxiliary outputs
– High & low voltage & current monitoring by output
– Battery back-up by output
– Any combination of the above
– Monitor power supply(ies) input for voltage & current limits
– Programmable timer events, user levels
– Enable or disable alerts by type
– Programmable alert reporting delay
– Unit includes:
– Removable backplane
– 2” high finger duct for wire management
– Custom wire assemblies for power distribution with terminal blocks for controller connections
– Convenient knockout configuration:
– One (1) single knockout 2.415” (2” Conduit)
– Two (2) double knockouts
1.948” (1.5” Conduit) / 1.701” (1.25” Conduit)
– Thirteen (13) double knockouts
1.362” (1” Conduit) / 1.115” (3/4” Conduit)
– Supervision
– AC Fail
– Low Battery and Battery Presence
– Low power shutdown
– 16 AWG 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

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 (2 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

Dual Input Power Distribution Modules (PDS16):

Input
Voltage 24VDC from eFlow104NB and
12VDC from eFlow102NB
Input Fuses 15A/32V
Outputs
Voltage 12VDC and/or 24VDC
Any of the sixteen (16) 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
Indicators (LED)
DC Output Sixteen (16) individual output LEDs
Green: 12VDC
Red: 24VDC

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 colsed (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 currect 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 Red LEDs: indicate outputs are triggered
Individual Voltage LEDs: indicate 12VDC (Green) or 24VDC (Red)

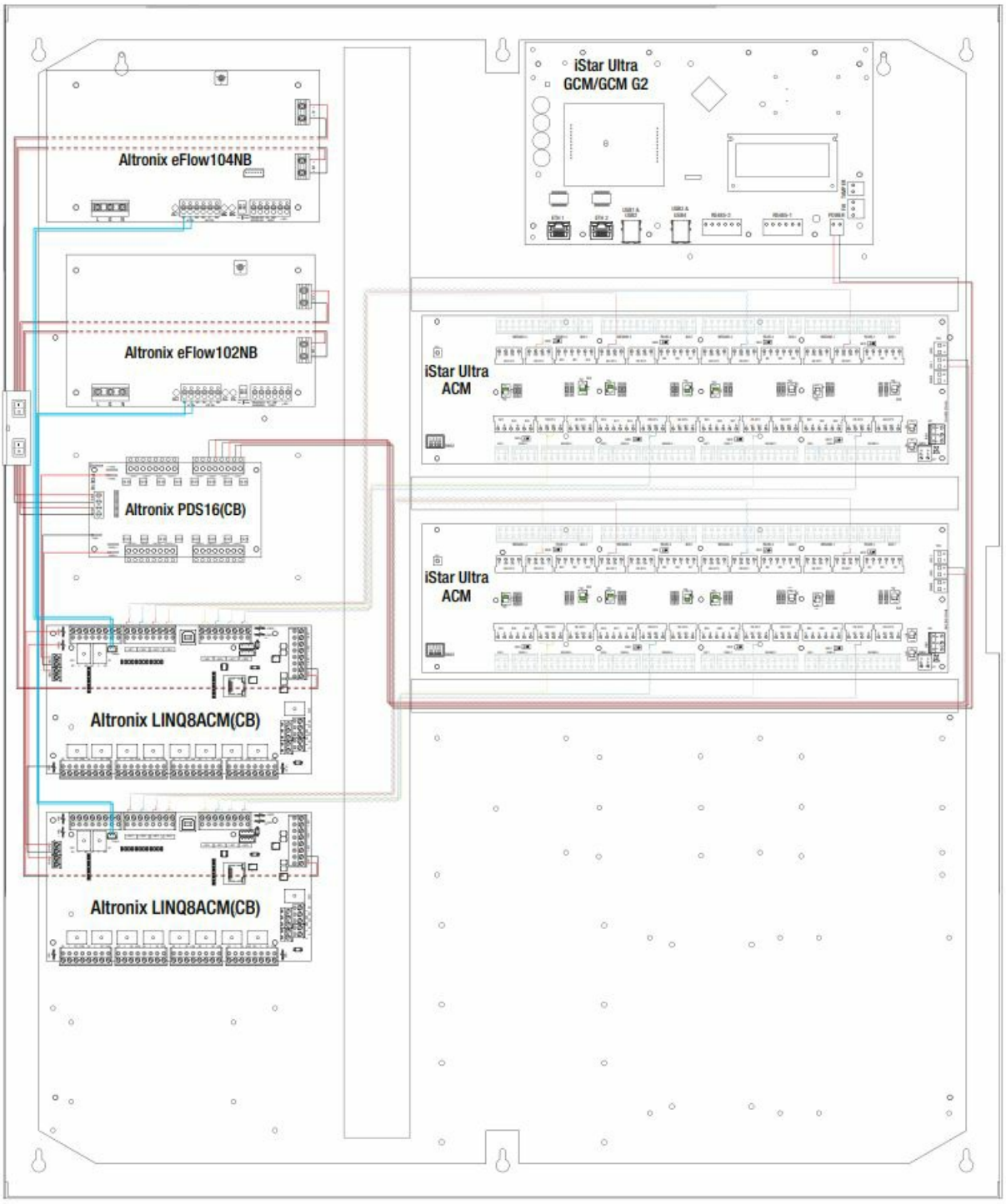
T3SH75XK1Q Kit:

Agency Listings
CE European Conformity

Physical and Environmental:
Dimensions (H x W x D)
Enclosure: 36.12″ x 30.125″ x 7.06″ (917.5mm x 768.1mm x 179.3mm)
Shipping: 40.75″ x 35.25″ x 12″ (1035.1mm x 895.4mm x 304.8mm)
Weight (approx.)
Product: 95.6 lb. (43.36 kg)
Shipping: 108.8 lb. (49.35 kg)

Temperature
Operating 0ºC to 49ºC (32ºF to 120ºF)
Storage 20ºC to 70ºC (4ºF to 158ºF)

Relative Humidity 85% +/ 5%
BTU/Hr. (approx.): 289 BTU/Hr.



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

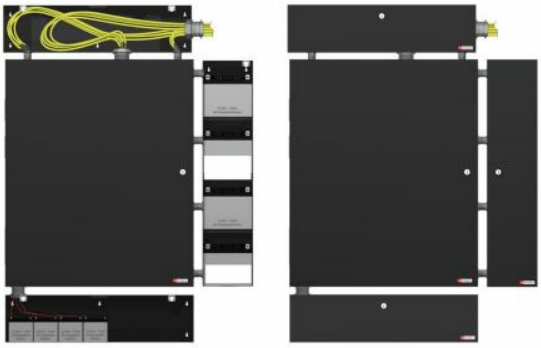
MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

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.

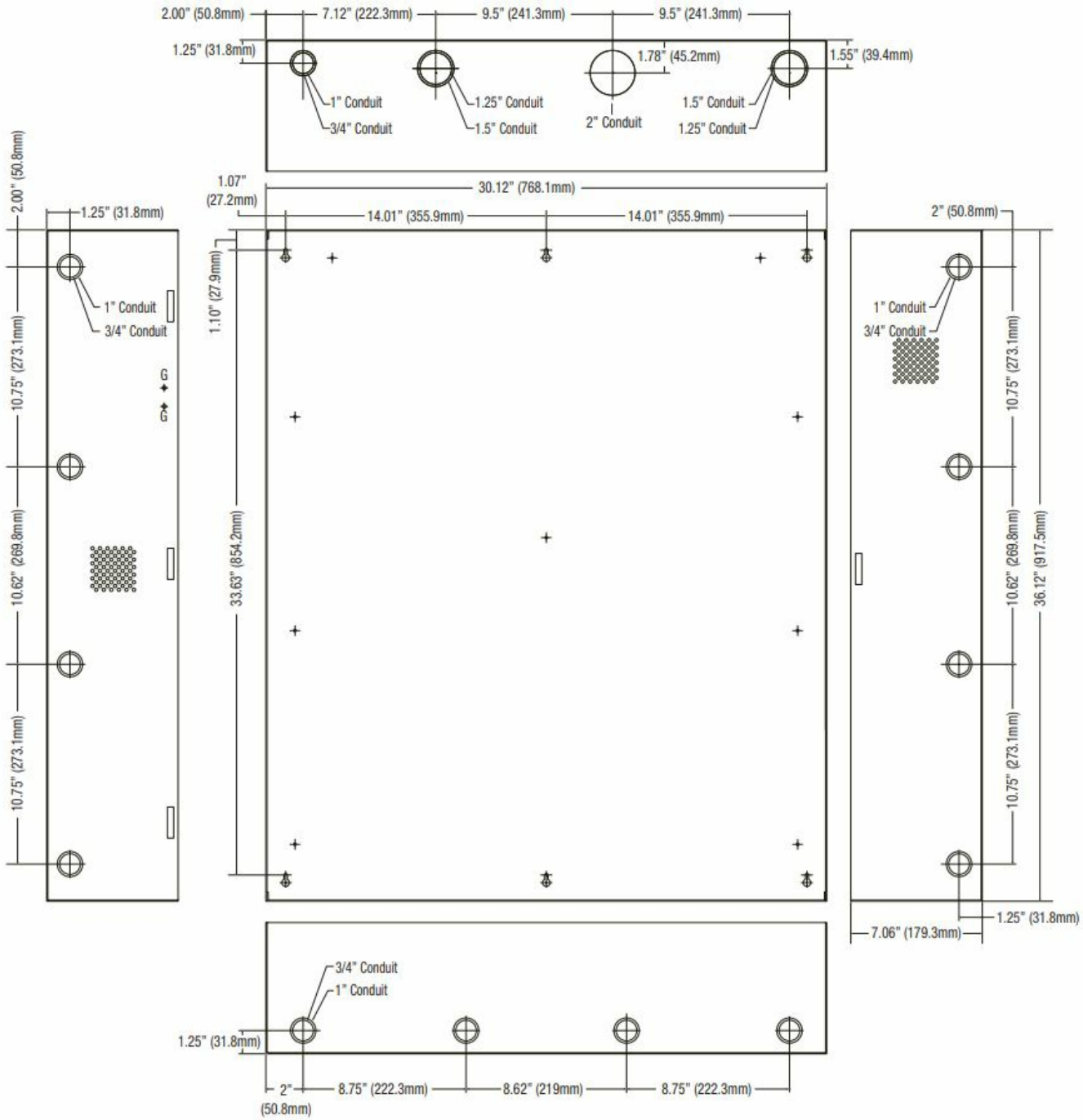


TROVE3BWC / TROVE3SWC - Battery/Wire Trough Enclosure

Altronix Trove3BWC and Trove3SWC are dual-purpose enclosures that can be used as wiring troughs or battery cabinets when mounted above or below (Trove3BWC) or on either side (Trove3SWC) of the Trove integrated power and access solution. The knockouts on the Trove3BWC and Trove3SWC have been strategically placed to line up with the Trove3 allowing for easy conduit connections between cabinets.Trove3BWC and Trove3SWC include cam locks and 2 tamper switches each to ensure access to wiring and batteries is secure.

Dimensions and Drawing

Dimensions (H x W x D approximate)
36.12″ x 30.125″ x 7.06″ (917.5mm x 768.1mm x 179.3mm)



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Documents / Resources

	Altronix T3SH75XK1Q 16 Door access and power Integration kit [pdf] User Guide T3SH75XK1Q 16 Door access and power Integration kit, T3SH75XK1Q, 16 Door access and power Integration kit, access and power Integration kit, and power Integration kit, power Integrat ion kit, Integration kit, kit

References

- User Manual

Manuals+, **Privacy Policy**

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