

T3KAK3316 (Kit)

Access & Power Integration Solution for Keyscan

TROVE™

Altronix T3KAK3316 kit consists of Trove3 enclosure and TKA3 Keyscan/Altronix door backplane with two (2) 12 or 24VDC @ 6A power supply/chargers, two (2) 8-output fused access power controllers, one (1) 4-output fused power distribution module and one (1) 16VAC transformer. This kit also accommodates various combinations of Keyscan boards for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

KEYSCAN
ACCESS CONTROL SYSTEMS

T3KAK3316

*Keyscan modules are not included***Key Features**

- 12 or 24VDC power supply/chargers
- Accommodates the following Keyscan controllers:
Up to two (2) CA250B, CA4500B or CA8500B,
up to four (4) OCB8, and two (2) of each DPS15 and CIM
- Convenient knockout configuration:
 - One (1) single knockout 2.415" (2" Conduit)
 - Two (2) double knockout
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
- Agency Listings:
 - CE European Conformity
- 16 AWG 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

Two (2) Power Supply/Chargers (AL600ULXB):

Input

Voltage	115VAC, 60Hz, 3.5A max.
Input Fuse	5A/250V

Output

Voltage	12VDC or 24VDC selectable
Current	6A @ 12VDC or 24VDC continuous max.
Other	Overvoltage protection. Filtered and regulated

Battery Charging

Capacity	12AH/12VDC (2 within enclosure) 40AH/65AH (requires separate enclosure)
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Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous

Batteries are sold separately

Supervision

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

Indicators (LED)

Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected

Transformer (T16175):

Input

Voltage	115VAC, 50/60Hz, 1.6A
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Output

Voltage	16VAC/175VA. 11A supply current
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Power Distribution Module (PD4UL):

Input

Voltage	16VAC from T16175
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Outputs

Voltage	16VAC
Four (4) fuse protected outputs. 3.5A per output max.	
Output Fuses	3.5A/250V

Indicators (LED)

Green LED	AC Output
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Two (2) Access Power Controllers (ACM8):

Input

Voltage	24VDC from AL600ULXB
Input Fuse	10A/250V

Outputs

Voltage	24VDC
Eight (8) 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
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Indicators (LED)

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

T3KAK3316 Kit:

Agency Listings

CE	European Conformity
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Physical and Environmental

Dimensions (H x W x D)

Enclosure:	36.12" x 30.12" x 7.06" (918mm x 768mm x 179mm)
Shipping:	40.75" x 35.25" x 12.0" (1,035mm x 896mm x 305mm)

Weight (approx.)

Product	85 lb. (38.6 kg)
Shipping	92 lb. (41.73 kg)

Temperature

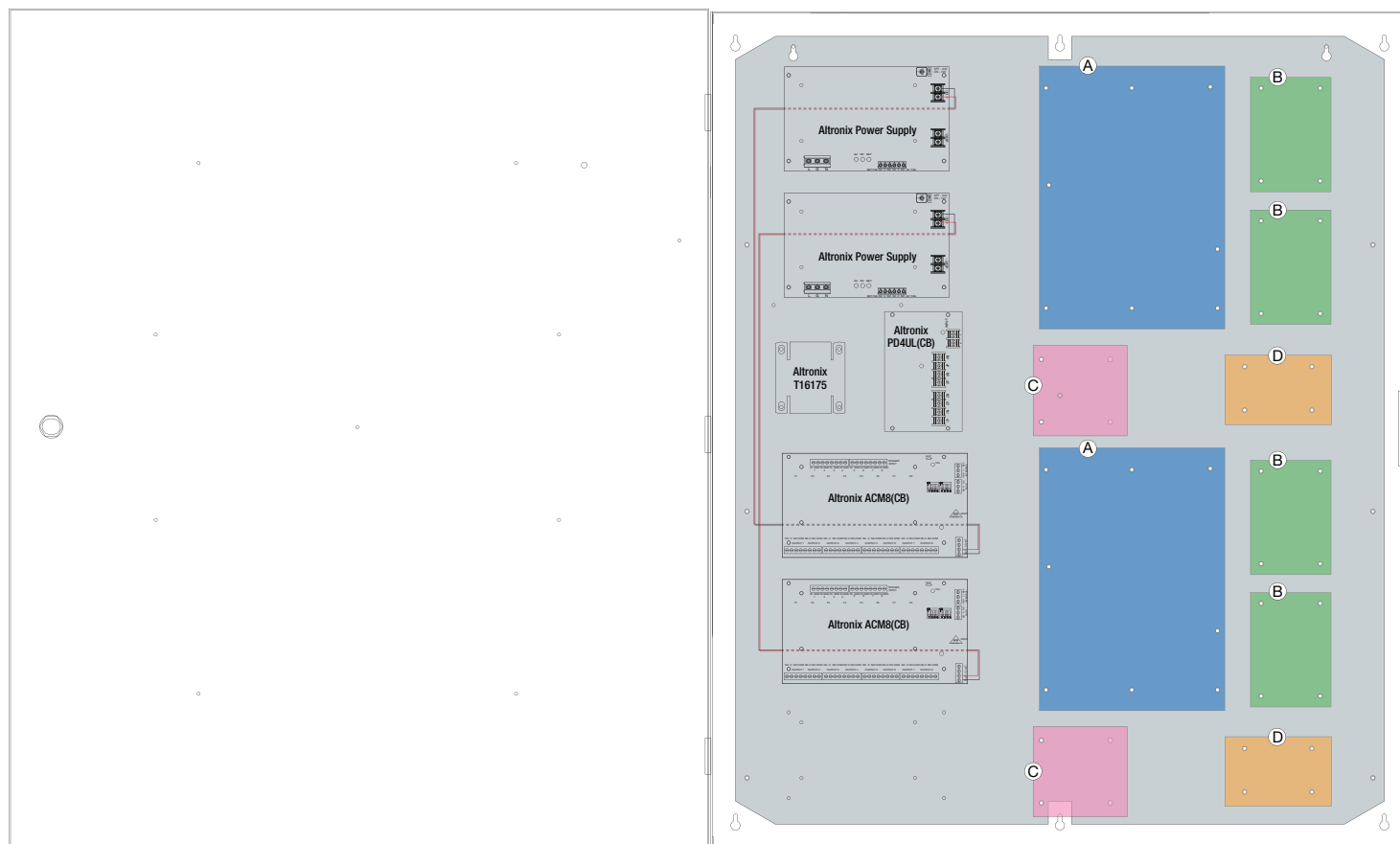
Operating	0°C to 49°C (32°F to 120°F)
Storage	-20°C to 70°C (-4°F to 158°F)

Relative Humidity	85% +/- 5%
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BTU/Hr (approx.):	152 BTU/Hr.
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Access Controller Position Chart for the Following Models:

Keyscan	Pem Mounting
CA250B, CA4500B, CA8500B	(A)
OCB8	(B)
DPS15	(C)
CIM	(D)



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

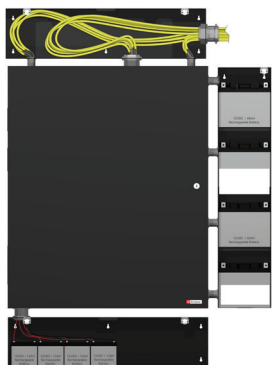
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



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.

Typical battery/wiring setup with Trove3 Enclosure (not included)

Dimensions and Drawing

Dimensions (H x W x D approximate)

36.12" x 30.12" x 7.06" (917.5mm x 768.1mm x 179.3mm)

