

T3HW75LXK3D (Pre-wired Kit)

Access and Power Integration Solution for Honeywell



Altronix T3HW75LXK3D 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 Honeywell hardware. This unit provides ample power and dual voltage outputs to support Honeywell platform controllers and locking devices. The T3HW75LXK3D accommodates up to eight (8) Dual Reader Modules. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.



T3HW75LXK1 - includes AL1024ULXB2, AL1012ULXB, (2) ACMS8, (2) PDS8, wire harnesses and finger duct

Honeywell boards are not included

Key Features

- Accommodates the following Honeywell controllers:
 - 8 - PW7K1R2/PRO42R2
- Convenient knockout configuration:
 - One (1) single knockout - 2" Conduit
 - Two (2) double knockout - 1.25" Conduit and 1.5" Conduit
 - Thirteen (13) double knockouts - 3/4" Conduit and 1" Conduit
- Unit includes:
 - Removable backplane
 - 3" high finger duct for wire management
 - Custom Wire Harnesses for power distribution and controller connections
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
- Agency Listings:
 - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
 - UL: UL294 - Access Control System
 - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
 - 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*



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Specifications

Power Supply 1 (AL1024ULXB2):

Input

Voltage 115VAC 60Hz, 4.2A max
 Input Fuse 5A/250V

Output

Voltage 24VDC
 Current 10A @ 24VDC continuous max.

Power Supply 2 (AL1012ULXB):

Input

Voltage 115VAC, 60Hz, 2.6A max
 Input Fuse 5A/250V

Output

Voltage 12VDC
 Current 10A @ 12VDC continuous max.

Both Power Supplies:

Overvoltage protection. Filtered and regulated outputs

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

Supervision

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

Indicators (LED)

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

Two (2) Dual Input Power Distribution Modules (PDS8CB):

Input

Voltage 24VDC from AL1024ULXB2 and
 12VDC from AL1012ULXB
 Input PTCs 9A

Outputs

Voltage 12VDC and/or 24VDC
 Any of the eight (8) power outputs are selectable
 to follow power Input 1 or Input 2
 Individual outputs may be set to OFF position for servicing
 Output PTCs 2.5A

Indicators (LED)

DC Output Eight (8) individual output LEDs
 Green: 12VDC
 Red: 24VDC

Two (2) Dual Input Access Power Controllers (ACMS8CB):

Input

Voltage 24VDC from AL1024ULXB2 and
 12VDC from AL1012ULXB

Input PTCs 2.5A

Outputs

Voltage 12 or 24VDC individually selectable
 Eight (8) selectable 12VDC - 24VDC independently controlled
 outputs or eight (8) independently controlled Form "C" relay outputs:
 a) Fail-Safe and/or Fail-Secure power outputs
 b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated
 c) Auxiliary power outputs (unswitched)
 d) Any combination of the above

Any of the eight (8) PTC protected power outputs are selectable
 to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing
 Output PTCs 2.5A

Indicators (LED)

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

Individual voltage LEDs:

Green: 12VDC
 Red: 24VDC

T3HW75LXK3D Kit:

Agency Listings

All components of this Trove kit are UL Listed sub-assemblies
 Please refer to the corresponding Sub-Assembly Installation Guides
 for further information

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.)

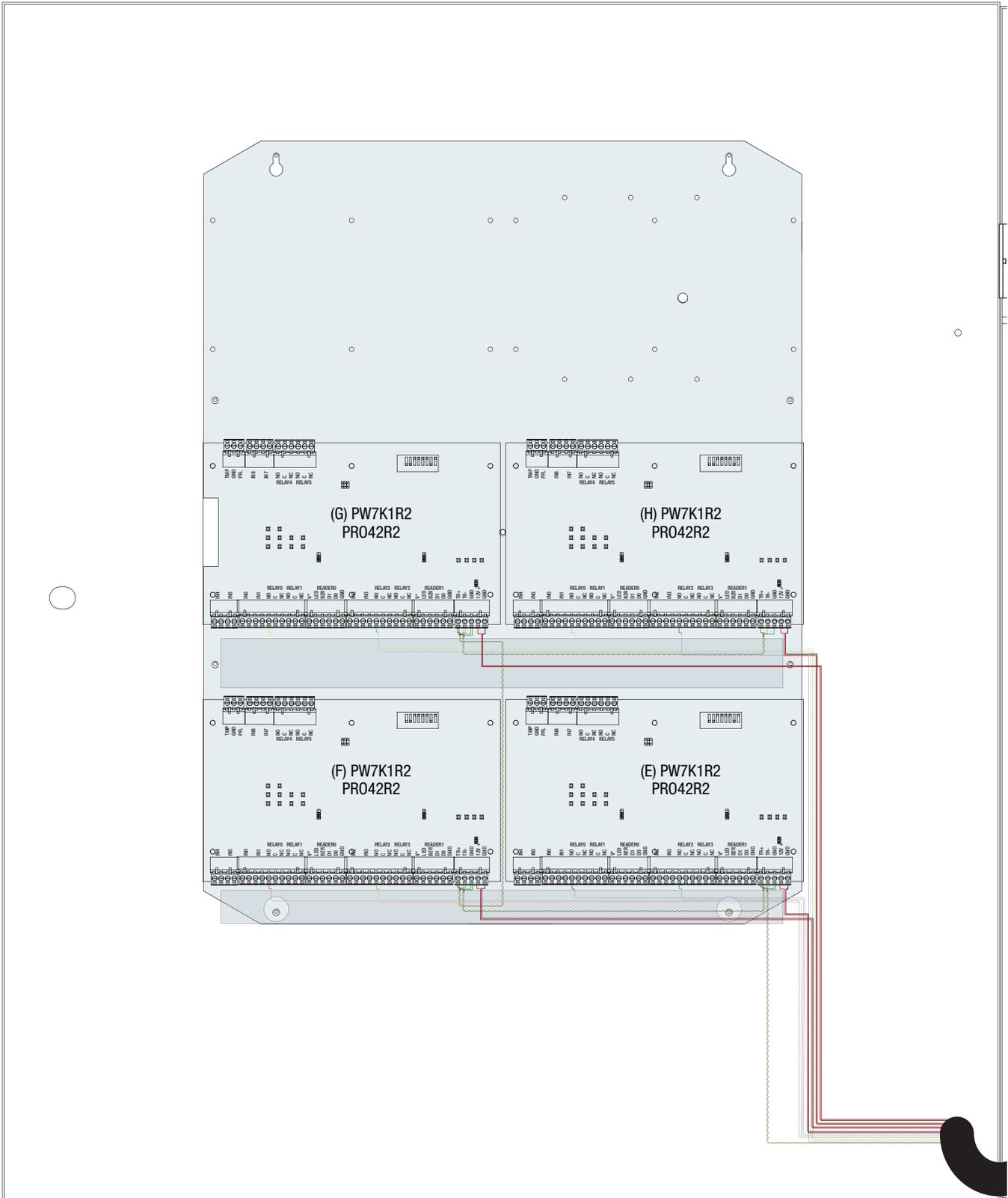
Product: 85.6 lb. (38.83 kg)
 Shipping: 98.8 lb. (44.82 kg)

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.): 263 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

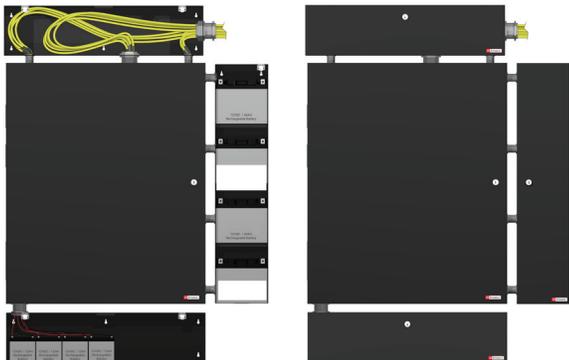
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/accessories in any metal enclosure or backplane.



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.



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

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)

