

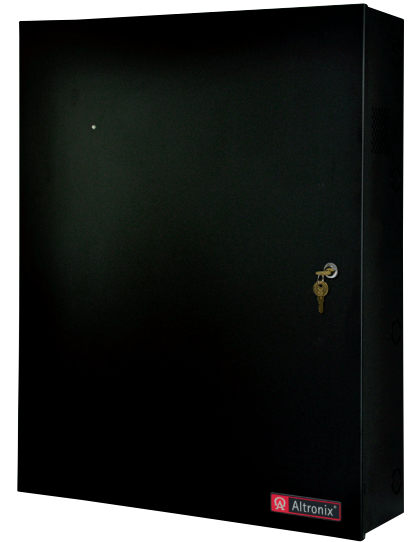
Access & Power Integration Solution

Description

Altronix T3HWK75F16 kit consists of Trove3 enclosure, THW3 Honeywell/Altronix backplane and THWD2 Honeywell/Altronix door backplane with one (1) 24VDC @ 10A and one (1) 12VDC @ 10A power supply/chargers, two (2) 8-output fused access power controllers and one (1) 8-output fused power distribution module. Also featured is a rocker switch bracket with two (2) rocker switches.

THW3 backplane also accommodates up to six (6) Honeywell 4200 Series or WIN-PAK Series boards and up to two (2) Honeywell PRO22MX8 boards for up to sixteen (16) doors in a single enclosure. THWD2 accommodates additional one (1) Honeywell PRO22MX8 and up to six (6) Honeywell 4200 Series or WIN-PAK Series.

Trove simplifies board layout and wire management, reduces installation time and labor costs.



T3HWK75F16



Key Features

- 24VDC and 12VDC power supply/chargers.
- Accommodates up to six (6) Honeywell 4200 Series or WIN-PAK Series boards and up to two (2) Honeywell PRO22MX8 boards.
- Convenient knockout configuration:
 - One (1) single knockout 2.415" (2" Conduit).
 - One (1) double knockout 1.948" (1.5" Conduit) / 1.701" (1.25" Conduit).
 - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit).
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- Supervision
 - AC Fail
 - Supervision (*cont'd*)
 - Low Battery and Battery Presence
 - Low power shutdown.
- 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.
- Enclosure accommodates up to four (4) 12VDC/12AH batteries.
- Lifetime Warranty*.

*Altronix Power Supply/Chargers and Sub-Assemblies only

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.

Specifications

Power Supply 1 (eFlow104NB):

Input

Voltage 120VAC, 60Hz, 4.5A max.
 Input Fuse 6.5A/250V.

Output

Voltage 24VDC.
 Current 10A continuous.

Power Supply 2 (eFlow102NB):

Input

Voltage 120VAC, 60Hz, 3.5A max.
 Input Fuse 5A/250V.

Output

Voltage 12VDC.
 Current 10A continuous.

Both Power Supplies:

Outputs

Auxiliary Class 2 power-limited @ 1A (unswitched).
 Other Overvoltage protection. Filtered and regulated.

Battery Backup (not included)

Type Sealed lead acid or gel type.
 Fuse Rating 10A/32VDC.
 Failover Upon AC loss, instantaneous.

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 70-75% for 24V units or 71-73% for 12V units. Prevents deep battery discharge.

Indicators (LED)

AC Input 120VAC is present.
 DC Output Powered.

Power Distribution Module (PD8UL):

Input

Voltage 24VDC from eFlow104NB.

Outputs

Voltage 24VDC.
 Eight (8) fuse protected outputs. 3.5A per output max.
 Output Fuses 3.5A/250V.

Indicators (LED)

Green LED DC Output.

Two (2) Access Power Controllers (ACM8):

Input

Voltage 24VDC from eFlow104NB.
 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.

Indicators (LED)

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

T3HWK75F16 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)

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

Weight (approx.)

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

Temperature

Operating 0°C to 50°C (32°F to 122°F).
 Storage -20°C to 70°C (-4°F to 158°F).

Relative Humidity 85% +/-5%.

BTU/Hr (approx.): 177 BTU/Hr.

Access Controller Position Chart for the Following Models:

Honeywell Win-Pak/ProWatch	Pem Mounting
PRO42IC, PRO42R2, PRO42IN, PRO42OUT, PW7K1IC, PW7K1R2, PW7K1IN, PW7K1OUT	(A)
PW7K1ICE, PW7K1R1E	(B)

