

## T1DK3FA4 (Kit)

### Access & Power Integration Solution for DIN Rail Mountable Products



Altronix T1DK3FA4 kit consists of Trove1 enclosure, TDR1 DIN Rail/Altronix backplane with one (1) 12 or 24VDC @ 6A power supply/charger and one (1) fused access power controller. This kit also accommodates any DIN Rail mountable products for up to four (4) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1DK3FA4

#### Key Features

- 12 or 24VDC power supply/charger
- Accommodates any DIN Rail mountable products
- Convenient knockout configuration:
  - One (1) double knockout  
1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit)
  - Nine (9) double knockouts  
1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
  - AC Fail
  - 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
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- External enclosure required for backup 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/Charger (eFlow6NTB):

#### Input

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

#### Outputs

Voltage	12VDC or 24VDC selectable
Current	6A continuous max.
Auxiliary	Power-limited @ 1A (unswitched)
Other	Overvoltage protection. Filtered and regulated

### Battery Charging

Capacity	7AH/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

### 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)

Input	120VAC is present
DC Output	Powered

### Access Power Controller (ACM4):

#### Input

Voltage	12VDC or 24VDC from eFlow6NTB
Input Fuse	10A/32V

#### Outputs

Voltage	24VDC
Four (4) independently controlled fused outputs:	
a) Four (4) Fail-Safe and/or Fail-Secure power outputs	
b) Four (4) auxiliary power outputs (unswitched)	
c) Any combination of the above	

Output Fuses	3A/32V
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### Indicators (LED)

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

### T1DK3FA4 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
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### Physical and Environmental

#### Dimensions (H x W x D)

Enclosure:	18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)
Shipping:	21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

#### Weight (approx.)

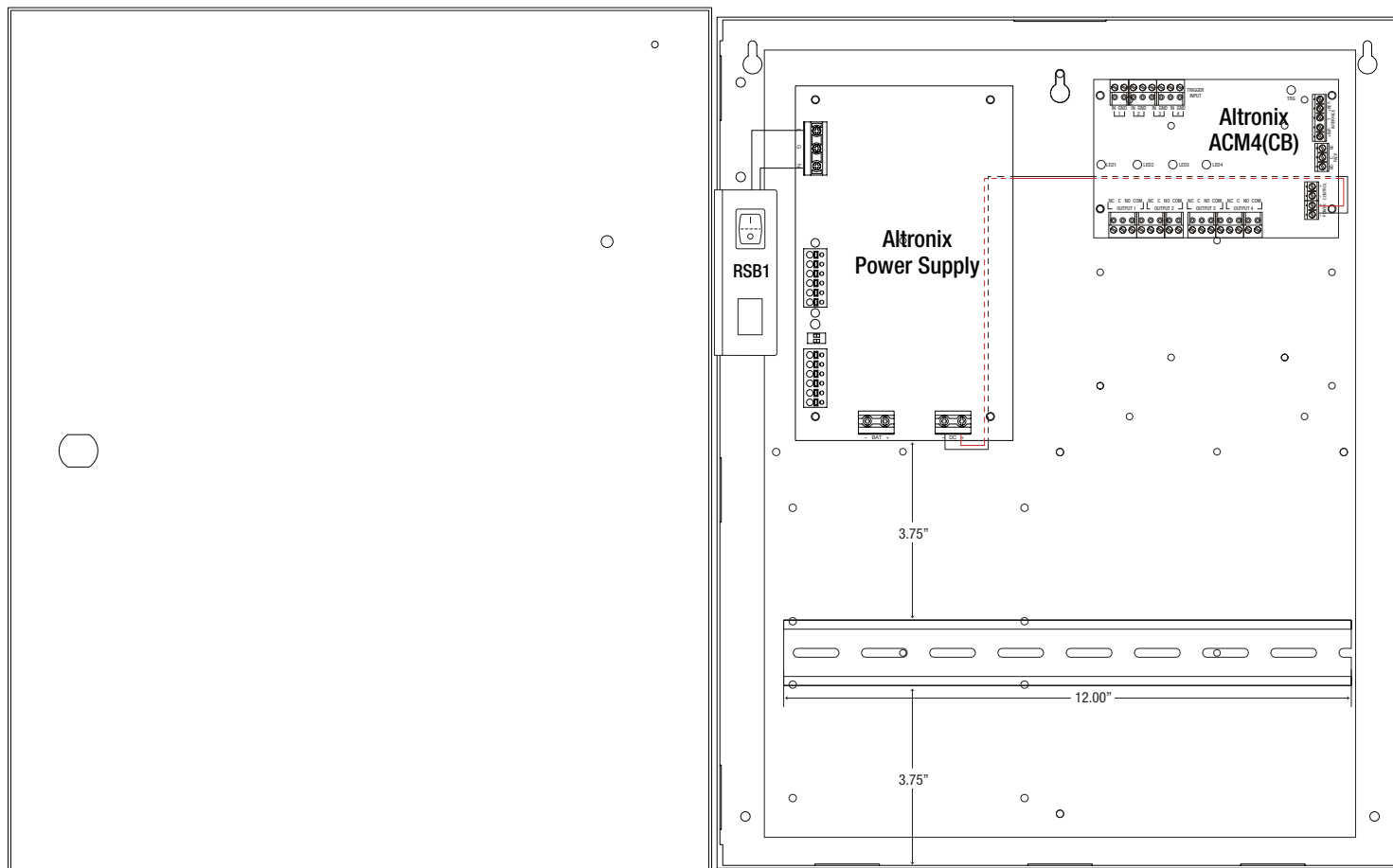
Product	15.5 lb. (7.0 kg)
Shipping	19.5 lb. (8.9 kg)

#### 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%
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BTU/Hr (approx.):	12VDC: 40 BTU/Hr. 24VDC: 77 BTU/Hr.
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## Dimensions and Drawing

Dimensions (H x W x D approximate)

18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)

