

T1GXK3F4D (Kit)

Access & Power Integration Solution for Galaxy



Altronix T1GXK3F4D kit consists of Trove1 enclosure, TDR1 DIN Rail/Altronix backplane with one (1) 24VDC @ 6A power supply/charger, one (1) PTC access power controller, one (1) voltage regulator and one (1) dual input PTC power distribution module. This kit also accommodates one (1) 635 CPU and one (1) 635 DRN for up to two (2) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1GXK3F4D

Galaxy boards are not included



Key Features

- 24VDC power supply/charger
- Accommodates the following:
 - Galaxy - one (1) 635 CPU, and one (1) 635 DRM
- 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
- 16-gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- 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
- 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 (eFlow6NB):

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)
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 (ACM4CB):

Input

Voltage 24VDC from eFlow6NB
Input PTC 9A

Outputs

Voltage 24VDC
Four (4) independently controlled PTC 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 PTCs 2.5A

Indicators (LED)

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

Voltage Regulator (VR6):

Input

Voltage 24VDC from eFlow6NB

Output

Voltage 12VDC
Current 6A continuous
Other Surge suppression

Indicators (LED)

Input 24VDC is present
Output Powered

Dual Input Power Distribution Module (PDS8CB):

Input

Voltage 24VDC from eFlow6NB and 12VDC from VR6

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

T1GXK3F4D 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: 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)

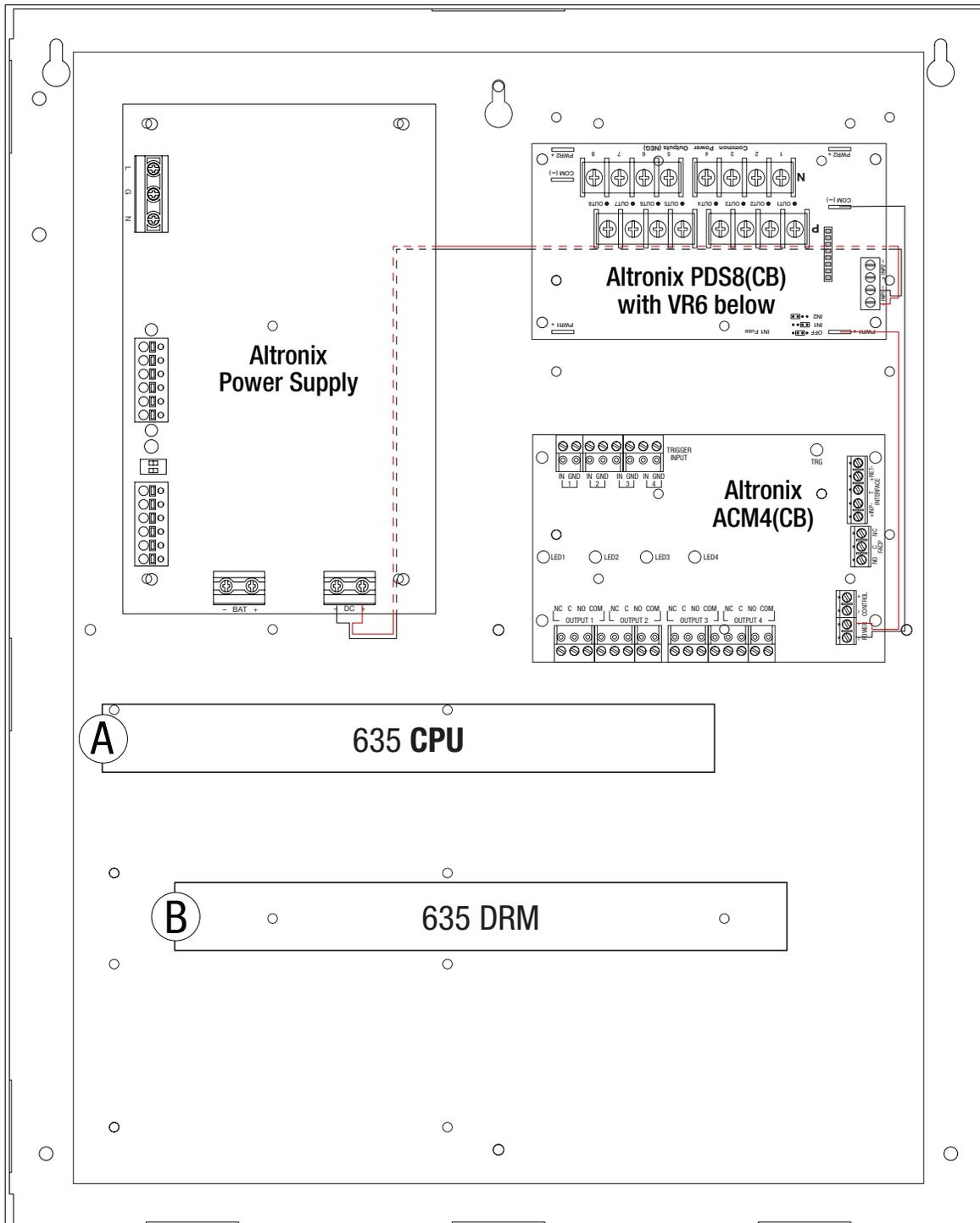
Temperature

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%
BTU/Hr. (approx.): 87 BTU/Hr.

Access Controller Position Chart for the Following Models:

Altronix/Galaxy	Pem Mounting
635 CPU	(A)
635 DRM	(B)



Dimensions and Drawing

Dimensions (H x W x D approximate)
 18.0" x 14.5" x 4.625" (457.2mm x 368.3mm x 118mm)

