



## Access & Power Integration Solution

## Description

Altronix T1DMK3F4 kit consists of Trove1 enclosure, TDM1 DMP/Altronix backplane with one (1) 12 or 24VDC @ 6A power supply/charger, one (1) voltage regulator and one (1) dual input fused power distribution module. This kit also accommodates up to four (4) DMP 734/734N Wiegand modules for up to four (4) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



## Key Features -

- 12 or 24VDC power supply/charger.
- Accommodates up to four (4) DMP 734/734N Wiegand modules.
- 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).
- 16 AWG galvanized steel backplane simplifies board layout and wire management.

- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown.
- Agency Listings:
  - UL: UL294 Access Control System.
  - cUL: CAN/ULC s319-05 Electronic Access Control Systems.
  - CE European Conformity.
- Enclosure accommodates up to two (2) 12VDC/7AH batteries.
- Lifetime Warranty\*/Made in the U.S.A.

\*Altronix Power Supply/Chargers and Sub-Assemblies only

## Accessories (order separately)



#### 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, 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.



## 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.

Mounting Magnet



#### T1DMK3F4



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### 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.

Back-up Battery (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

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.

**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 (PDS8):** 

Input

Voltage 12VDC from VR6 and 24VDC from eFlow6NB.

Input Fuse 10A/32V.

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.

**Outputs Ratings** 

Fuses 3A/32V.

Indicators (LED)

DC Output Eight (8) individual output LEDs.

Green: 12VDC Red: 24VDC.

T1DMK3F4 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)

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

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.):

12VDC: 40 BTU/Hr. 24VDC: 77 BTU/Hr.

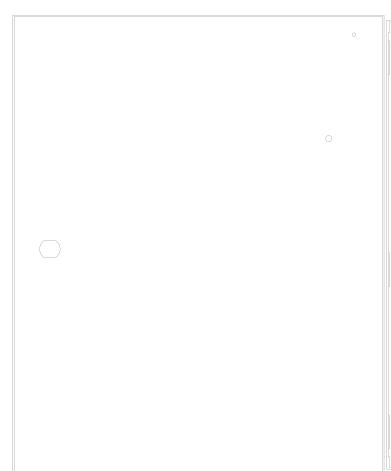


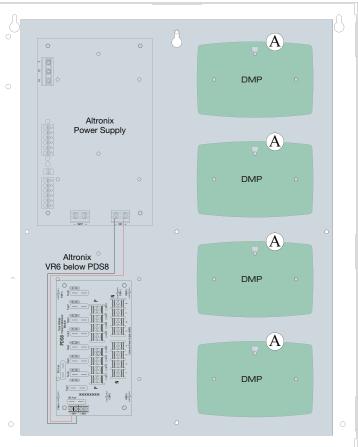


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## **Access Controller Position Chart for the Following Models:**

DMP	Pem Mounting
734, 734N	A









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