

## T3SSK75F28D Access & Power Integration Solution

### Description

Altronix T3SSK75F28D consists of a high-capacity enclosure with removable backplane, providing 12VDC @ 24VDC at 20A total for up to twenty-eight (28) locking devices or accessories. This unit easily combines Altronix power/accessories with various combinations of S2 boards in a streamlined package. Trove simplifies board layout and wire management, reducing installation time and labor costs.



T3SSK75F28D

S2 boards sold separately

### Key Features

- 24VDC and 12VDC power supply/chargers.
- Accommodates S2-INST Installation Kit.
- 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.

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### Specifications

#### Power Supply/Chargers:

##### Input

Voltage	120VAC, 60Hz, 4.5A max. (eFlow104NB) 120VAC, 60Hz, 3.5A max. (eFlow102NB)
Input Fuse	6.3A/250V (eFlow104NB) 5A/250V (eFlow102NB)

##### Output

Voltage	24VDC @ 10A total (eFlow104NB) 12VDC @ 10A total (eFlow102NB)
Auxiliary	One (1) Aux outputs rated 1A (unswitched) each
Protection	Over-voltage protection. Filtered and regulated.

#### Both Power Supplies:

##### Battery Backup

Type	Sealed lead acid or gel type.
Fuse Rating	15A/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 (depending on the power supply).  
Prevents deep battery discharge.

##### Indicators (LED)

AC Input	120VAC is present.
DC Output	Powered.
Battery	Discharged or not connected.

#### Three (3) Access Power Controllers (ACM8CB):

##### Input

Voltage	24VDC from eFlow104NB
Input Fuse	10A/250V.

##### Outputs

Voltage	24VDC.
	Eight (8) 24VDC independently controlled PTC outputs for each ACM8CB and Four (4) 24VDC independently controlled PTC outputs for ACM4CB:
	a) Fail-Safe and/or Fail-Secure power outputs.
	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.

#### One (1) Access Power Controllers (ACM4):

##### Input

Voltage	24VDC from eFlow104NB
Input Fuse	10A/32V.

##### Outputs

Voltage	24VDC.
	Eight (8) 24VDC independently controlled PTC outputs for each ACM8CB and Four (4) 24VDC independently controlled PTC outputs for ACM4CB:
	a) Fail-Safe and/or Fail-Secure power outputs.
	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.

#### Two (2) Power Distribution Modules (PD16WCB):

##### Input

Voltage	12VDC from eFlow102NB.
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##### Outputs

Voltage	12VDC.
Output PTCs	2.5A.

##### Indicators (LED)

Green LED	DC Output.
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#### 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)	36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm).
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.):	289 BTU/Hr.

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### Access Controller Position Chart for the S2-INST Installation Kit:

Altronix / S2	Pem Mounting
S2-INST	(A)



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