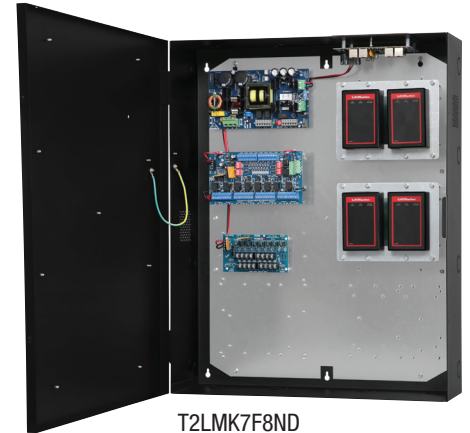


## T2LMK7F8ND (Kit)

Access & Power Integration Solution for LiftMaster



Altronix T2LMK7F8ND kit consists of Trove2 enclosure and TM2 Altronix & LiftMaster backplane with 24VDC @ 10A power supply/charger, 12VDC voltage regulator, eight (8) PTC protected output dual voltage power distribution module, eight (8) dual voltage PTC protected output access control module and 5-Port Hardened PoE+ Switch. This kit also accommodates up to four (4) LiftMaster Smart Access 2-Door Controller (CAP2D) for up to eight (8) doors in a single enclosure. Two (2) LMBK2 mounting brackets for LiftMaster CAP2D are factory installed. Trove simplifies board layout and wire management, reduces installation time and labor costs.



*LiftMaster boards are not included*

### Key Features

- 24VDC power supply/charger
- Accommodates up to four (4) LiftMaster Smart Access 2-Door Controller (CAP2D)
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" 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
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- CE European Conformity
- Lifetime Warranty\*

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

## Specifications

### Power Supply/Charger (eFlow104NTB):

#### Input

Voltage	120VAC, 60Hz. 4.5A
Input Fuse	6.3A/250V

#### Output

Voltage	24VDC
Current	10A continuous
Auxiliary	1A (unswitched)
Other	Overvoltage protection. Filtered and regulated

### Battery Charging

Capacity	12VDC/12AH (4 within enclosure) 40AH/65AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
Batteries are sold separately	

### 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)

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

### Dual Input Access Power Controller (ACMS8CB):

#### Input

Voltage	24VDC from eFlow104NTB and 12VDC from VR6
Input PTCs	9A

#### Outputs

Voltage	24VDC
Eight (8) 24VDC 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 eFlow104NTB
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#### 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 eFlow104NTB 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

### PoE+ Hardened Switch (NetWay5P):

**Input Power** 24VDC from eFlow104NTB

#### Power Output

Maximum Power	Four (4) 10/100/1000 Mbps PoE/PoE+ (rated up to 30W) ports 60W (at 12VDC) or 120W (at 24VDC) total power Integral surge protection
Uplink Port	Single data port

### Ethernet Ports

Five (5) 10/100/1000 Mbps ports  
Connectivity: RJ45, auto-crossover  
Wire type: 4-pair CAT5e or higher structured cable  
Distance: up to 100m  
Speed: 10/100/1000 Mbps, half/full duplex, auto negotiation

### Indicators (LED)

Individual PoE On LEDs for each port  
Individual IP Link status, 10/100Base-T/active LEDs for each port

### T2LMK7F8ND Kit:

#### Agency Listings

CE	European Conformity
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### Physical and Environmental

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

Enclosure: 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)  
Shipping: 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

#### Weight (approx.)

Product	40.1 lb. (18.2 kg)
Shipping	43.85 lb. (19.9 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

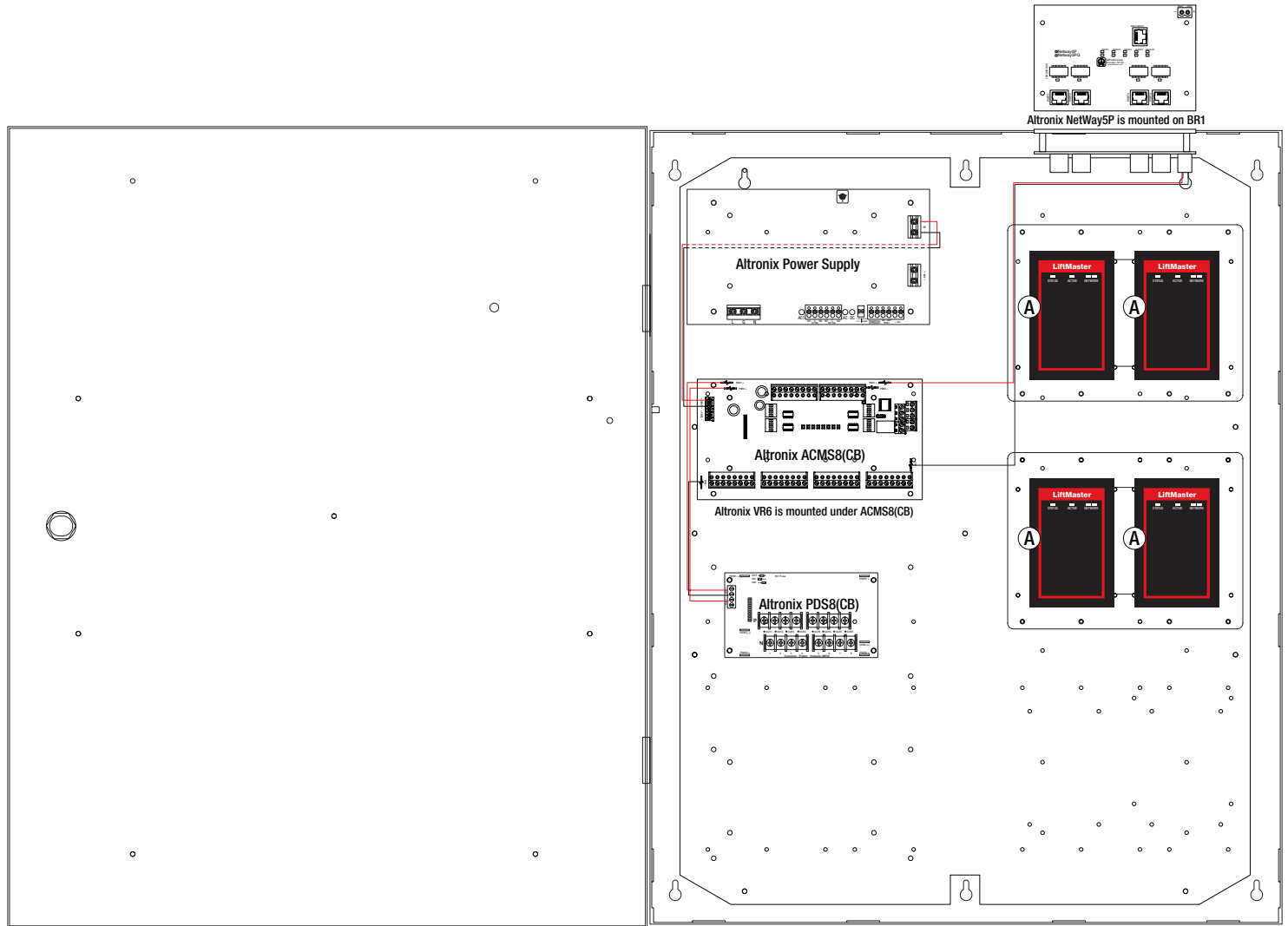
85% +/- 5%

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

145 BTU/Hr.

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

LiftMaster	Pem Mounting
LiftMaster Smart Access 2-Door Controller (CAP2D)	(A)



**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.



BR1

**BR1 - Sub-Assembly Mounting Bracket**

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.

Trove2BWC  
with  
batteries



Trove2BWC  
with  
wires



**TROVE2BWC - Battery/Wire Trough Enclosure**

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.

**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

