

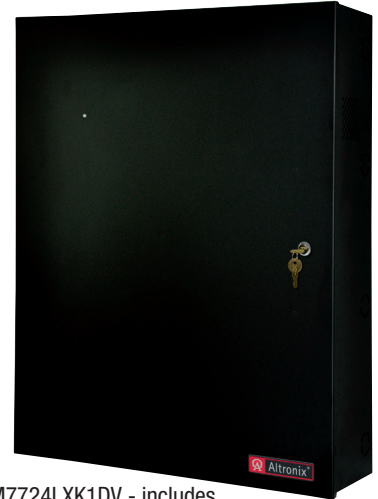


# T3M7724LXK1DV (Pre-wired Kit)

Access and Power Integration Solution for Mercury



Altronix T3M7724LXK1DV is a 24-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Mercury hardware. This unit provides ample power and dual voltage outputs to support Mercury platform controllers and locking devices. The T3M7724LXK1DV accommodates up to one (1) Intelligent Dual Reader Controller and eleven (11) Dual Reader Interface Modules. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.



T3M7724LXK1DV - includes  
(2) AL1024XB2V, (2) ACMS12CB, (2) VR6,  
(2) PDS16CB, wire harnesses and finger duct

*Mercury boards are not included*

**\*Also compatible with these authentic Mercury partners:**

AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identocard, IMRON, Johnson Controls, Kastle, Keri Systems, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt.



## Key Features

- Accommodates the following Mercury controllers:
  - 1 - LP1502 / LP4502 and 11 - MR52
- Convenient knockout configuration:
  - One (1) single knockout - 2" Conduit
  - Two (2) double knockout - 1.25" Conduit and 1.5" Conduit
  - Thirteen (13) double knockouts - 3/4" Conduit and 1" Conduit
- Unit includes:
  - Removable backplane
  - 3" high finger duct for wire management
  - Custom Wire Harnesses for power distribution and controller connections
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- CE European Conformity
- Lifetime Warranty\*

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

## Accessories (order separately)



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

### Two (2) Power Supplies (AL1024XB2V):

<b>Input</b>	
Voltage	220VAC (working range 198VAC-256VAC), 50/60Hz, 2.5A
Fusing	5A / 250V
<b>Outputs</b>	
Voltage	24VDC
Current	10A @ 24VDC continuous max.
Other	Filtered and regulated
<b>Battery Backup</b>	
Capacity	12AH / 12VDC (2 within enclosure) 40 AH / 65 AH (requires separate enclosure)
Type	Sealed lead acid or gel type
Failover	Upon AC loss, instantaneous
<b>Supervision</b>	
AC Failure	Form "C" contacts
Battery	Form "C" contacts
<b>Indicators (LED)</b>	
Input	220VAC is present
DC Output	Powered
Battery	Discharged or not connected

### Two (2) Access Power Controllers (ACMS12CB):

<b>Input</b>	
Voltage	24VDC from AL1024XB2V, 12VDC from VR6
Input PTCs	9A
<b>Outputs</b>	
Voltage	12VDC and/or 24VDC
Twelve (12) 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
<b>Indicators (LED)</b>	
Red LEDs	Outputs are triggered (relays energized)
Green LED	FACP disconnect is triggered

### Two (2) Voltage Regulators (VR6):

<b>Input</b>	
Voltage	24VDC from AL1024XB2V
<b>Output</b>	
Voltage	12VDC
Current	6A continuous
Other	Surge suppression
<b>Indicators (LED)</b>	
Input	24VDC is present
Output	Powered

### Two (2) Dual Input Power Distribution Modules (PDS16CB):

<b>Input</b>	
Voltage	12VDC & 24VDC from ACMS12CB
Input PTCs	9A
<b>Outputs</b>	
Voltage	12VDC and/or 24VDC
Any of the sixteen (16) power outputs are selectable to follow power Input 1 or Input 2	
Individual outputs may be set to OFF position for servicing	
<b>Outputs Ratings</b>	
PTCs	2.5A
<b>Indicators (LED)</b>	
DC Output	Sixteen (16) individual output LEDs
Green:	12VDC
Red:	24VDC

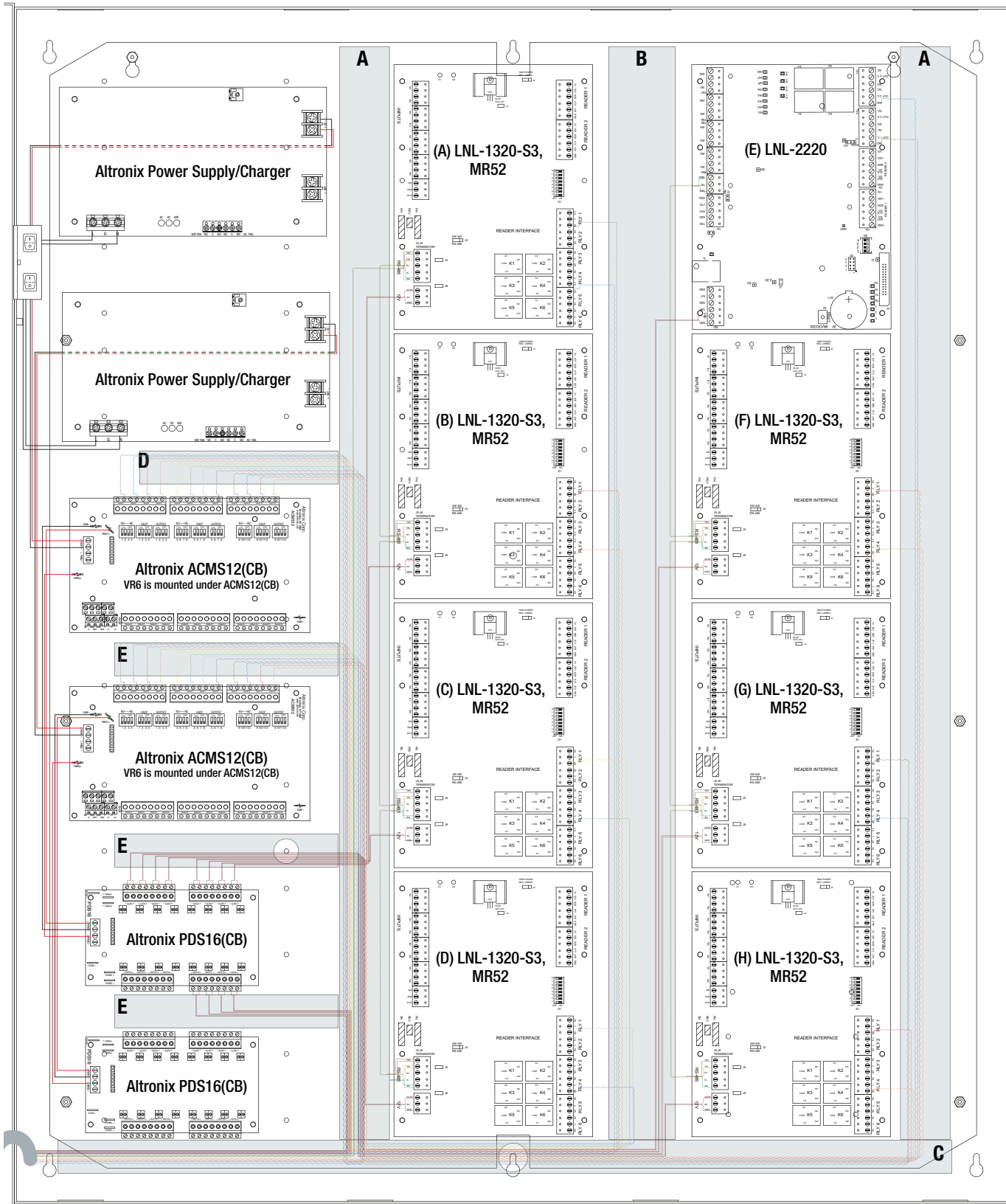
### T3M7724LXK1DV Kit:

#### Agency Listings

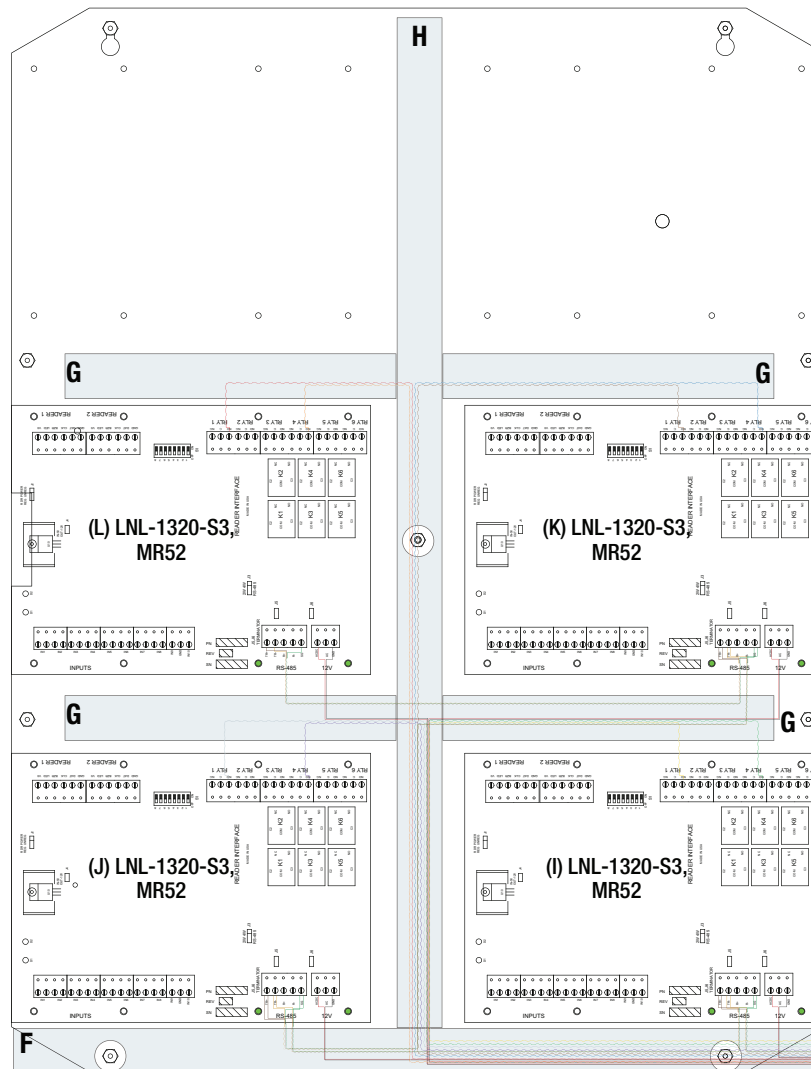
CE	European Conformity
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#### Physical and Environmental:

<b>Dimensions (H x W x D)</b>	
Enclosure:	36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)
Shipping:	40.75" x 35.25" x 12" (1035.1mm x 895.4mm x 304.8mm)
<b>Weight (approx.)</b>	
Product:	85.6 lb. (38.83 kg)
Shipping:	98.8 lb. (44.82 kg)
<b>Temperature</b>	
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.



TMV2 - Door Backplane accommodates four Mercury boards



**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
 36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)

