

T3M7724LXK1D (Pre-wired Kit)

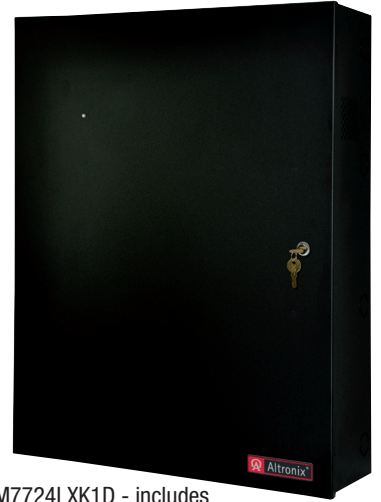
Access and Power Integration Solution for Mercury



Altronix T3M7724LXK1D 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 T3M7724LXK1D 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.

***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.



T3M7724LXK1D - includes
 (2) AL1024ULXB2, (2) ACMS12, (2) VR6,
 (2) PDS16, wire harnesses and finger duct

Mercury boards are not included

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.

Specifications

Two (2) Power Supplies (AL1024ULXB2):

Input

Voltage 115VAC 60Hz, 4.2A max
 Fusing 5A / 250V

Outputs

Voltage 24VDC
 Current 10A @ 24VDC continuous max
 Other Filtered and regulated

Battery Backup

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

Supervision

AC Failure Form "C" contacts
 Battery Form "C" contacts

Indicators (LED)

Input 115VAC is present
 DC Output Powered
 Battery Discharged or not connected

Two (2) Access Power Controllers (ACMS12CB):

Input

Voltage 24VDC from AL1024ULXB2, 12VDC from VR6
 Input PTCs 9A

Outputs

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

Indicators (LED)

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

Two (2) Voltage Regulators (VR6):

Input

Voltage 24VDC from AL1024ULXB2

Output

Voltage 12VDC
 Current 6A continuous
 Other Surge suppression

Indicators (LED)

Input 24VDC is present
 Output Powered

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

Input

Voltage 12VDC & 24VDC from ACMS12CB
 Input PTCs 9A

Outputs

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

Outputs Ratings

PTCs 2.5A

Indicators (LED)

DC Output Sixteen (16) individual output LEDs
 Green: 12VDC
 Red: 24VDC

T3M7724LXK1D Kit:

Agency Listings

CE European Conformity

Physical and Environmental:

Dimensions (H x W x D)

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)

Weight (approx.)

Product: 85.6 lb. (38.83 kg)
 Shipping: 98.8 lb. (44.82 kg)

Temperature

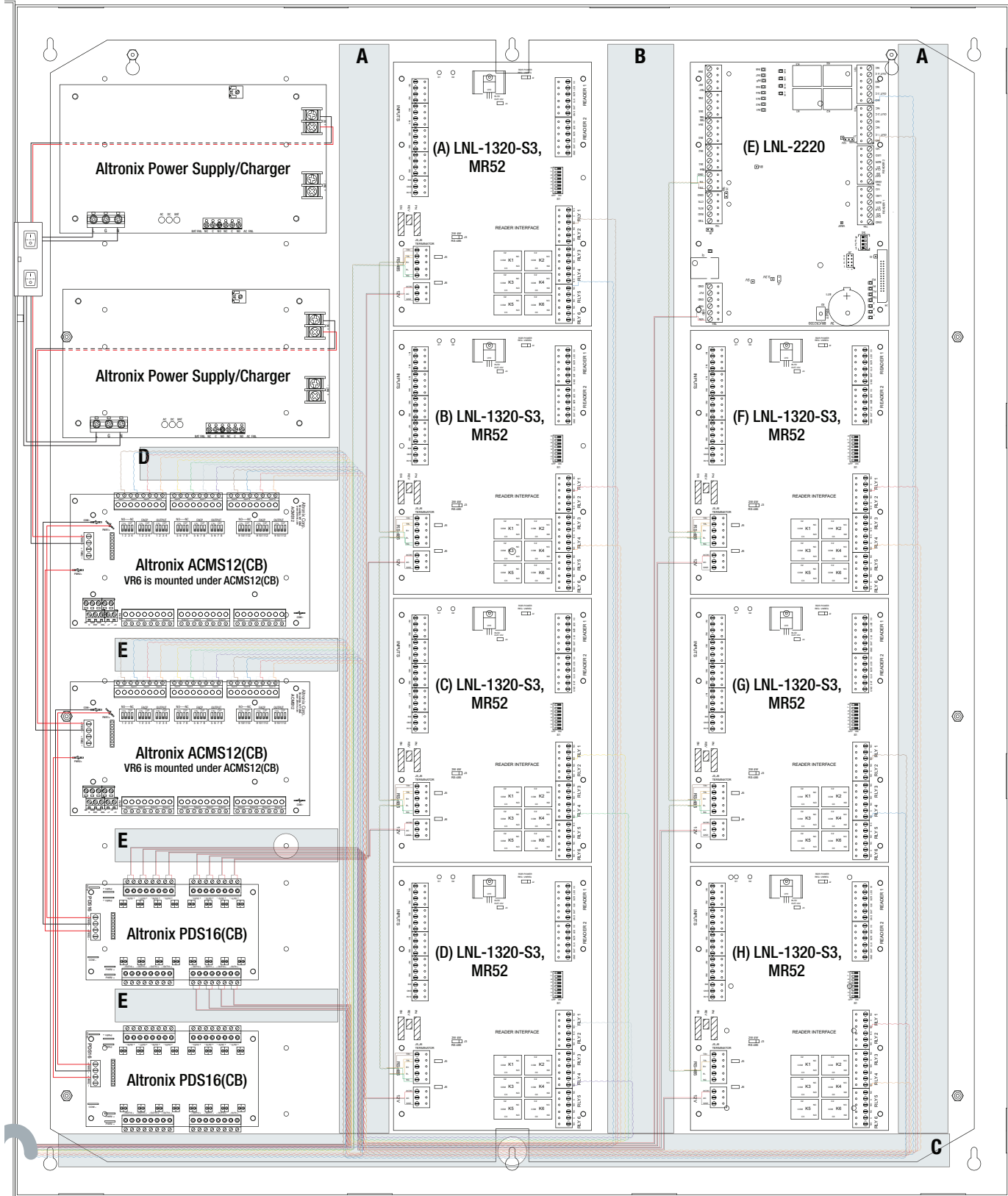
Operating 0°C to 49°C (32°F to 120°F)
 Storage - 20°C to 70°C (- 4°F to 158°F)

Relative Humidity

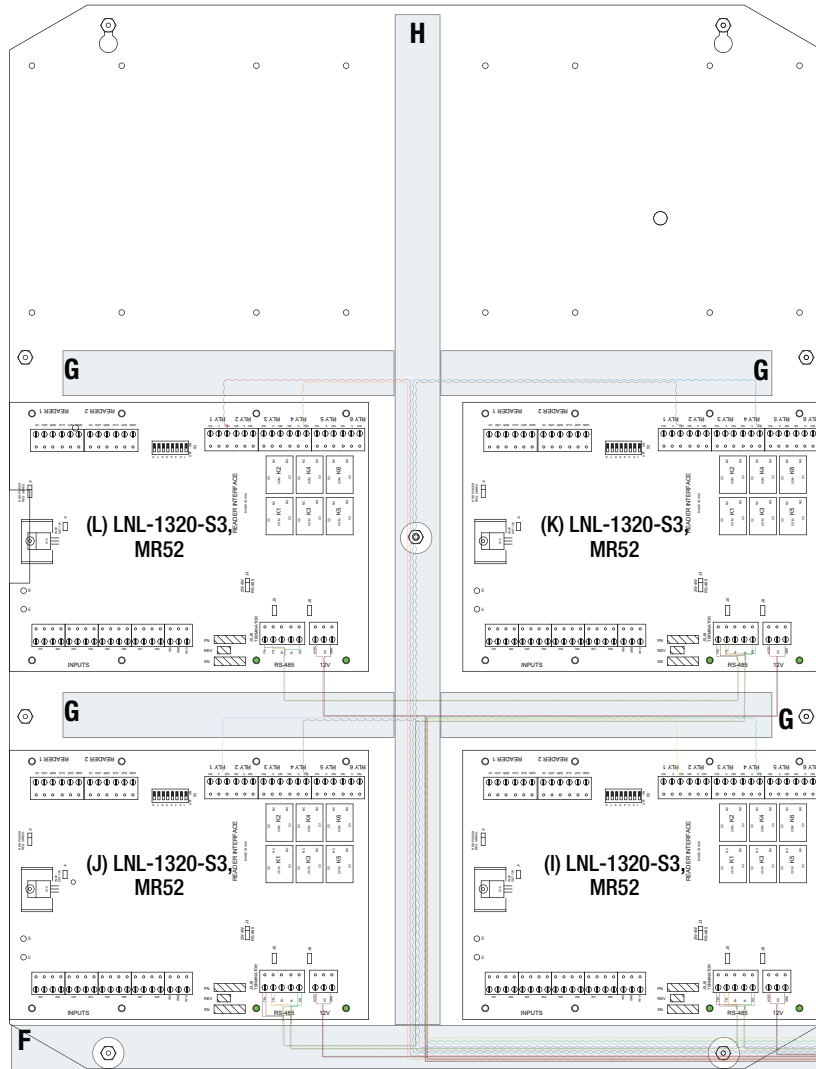
85% +/- 5%

BTU/Hr. (approx.):

289 BTU/Hr.



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)

