

## T2M7XK1D

### Access and Power Integration Solution for Mercury



Altronix T2M7XK1D is a 8-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 T2M7XK1D accommodates one (1) Intelligent Dual Reader Controller and three (3) 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, Lenel/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic I-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T2M7XK1D

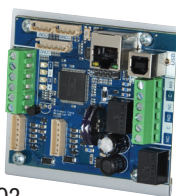
LenelS2/Mercuryboardsarenotincluded

### Key Features

- Accommodates the following LenelS2/Mercury controllers:
  - 1 - LP1502 / LP4502 and 3 - MR52
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit).
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit).
- Unit includes:
  - Removable backplane
  - 2" high finger duct for wire management
  - Custom wire assemblies for power distribution with terminal blocks for controller connections
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- AC input and DC output LED indicators
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Built-in charger for sealed lead acid or gel type batteries
- Instantaneous transfer to stand-by batteries
- CE European Conformity
- Enclosure accommodates up to four (4) 12VDC/7AH batteries
- Lifetime Warranty

\*AltronixPowerSupply/ChargersandSub-Assembliesonly

### 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 (eFlow104NB):

##### Input

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

##### Output

Voltage	24VDC @ 10A
Auxiliary	1A (unswitched)
Protection	Overvoltage protection. Filtered and regulated

#### 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	24VDC is present
Battery	Discharged or not connected

#### Voltage Regulator (VR6):

##### Input

Voltage	24VDC from eFlow104NB
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##### Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

#### Indicators (LED)

Input	24VDC is present
Output	Powered

#### Access Power Controllers (ACMS8CB):

##### Input

Voltage	24VDC from eFlow104NB
Input PTC	9A

#### Access Power Controllers (ACMS8CB) (cont'd):

##### 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
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#### Indicators (LED)

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

#### Dual Input Power Distribution Module (PDS8CB):

##### Input

Voltage	12VDC from VR6 and 24VDC from eFlow104NB
Input PTC	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	

#### Outputs Ratings

PTCs	2.5A
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#### Indicators (LED)

DC Output	Eight (8) individual output LEDs
Green:	12VDC
Red:	24VDC

#### T2M7XK1D Kit:

##### Agency Listings

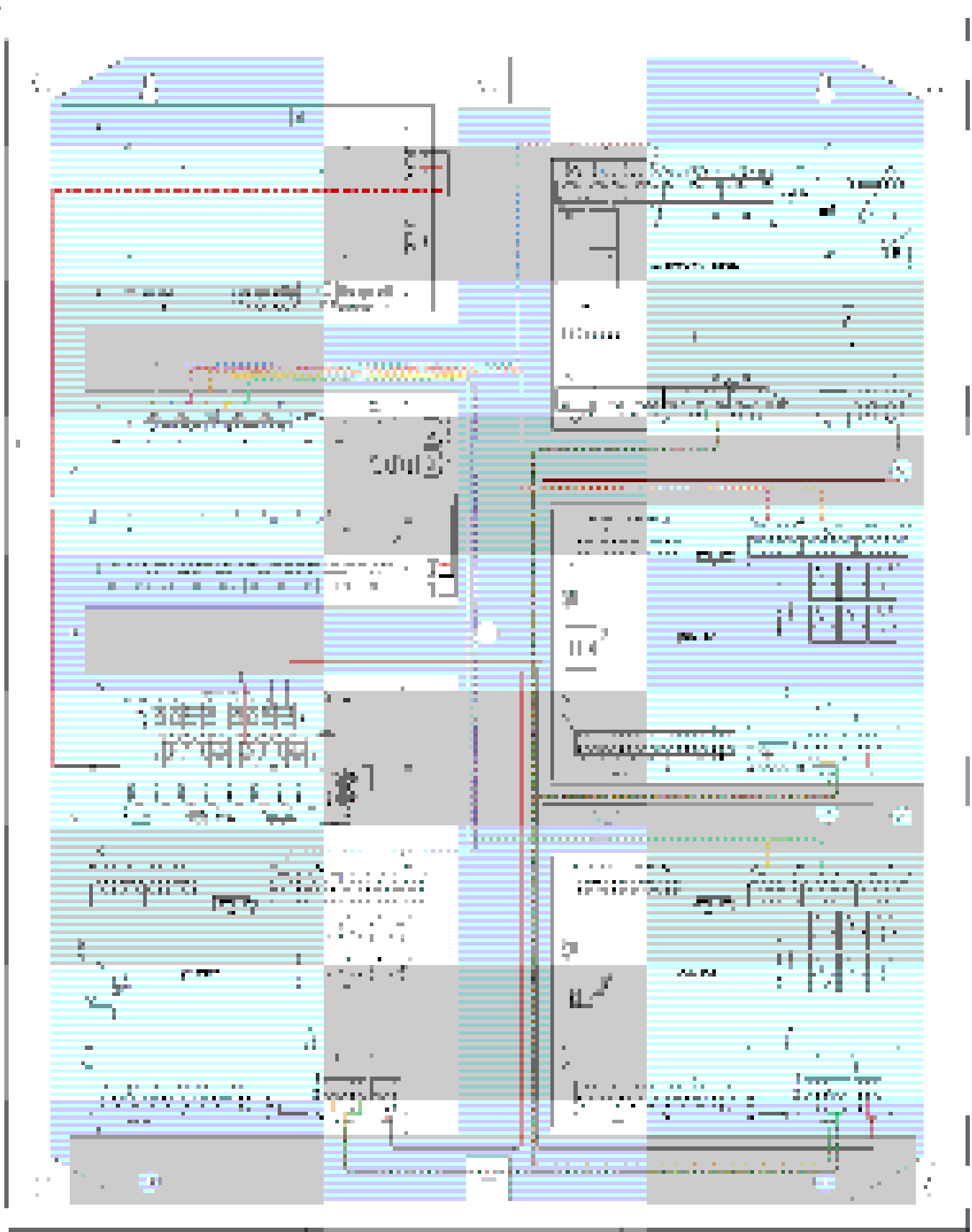
CE	European Conformity
All components of this Trove kit are UL Listed sub-assemblies. Please refer to the corresponding Sub-Assembly Installation Guides for further information	

#### Physical and Environmental:

Dimensions (H x W x D)	
27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm).	
Weight (approx.)	
Product	41.6 lb. (18.87 kg)
Shipping	45.6 lb. (20.68 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.

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