

# T2M7XK1

## Access and Power Integration Solution for Mercury



Altronix T2M7XK1 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 T2M7XK1 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.



T2M7XK1  
Mercury boards are not included

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

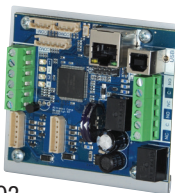
AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identocard, IMRON, Johnson Controls, Kastle, Keri Systems, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt

### Key Features

- Accommodates the following Mercury controllers:
  - 1 - LP1502 / LP4502 and 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 |
|---------|-----------------------|

##### Output

|         |                   |
|---------|-------------------|
| Voltage | 12VDC             |
| Current | 6A continuous     |
| Other   | Surge suppression |

#### Indicators (LED)

|        |                  |
|--------|------------------|
| Input  | 24VDC is present |
| Output | Powered          |

#### Access Power Controllers (ACMS8):

##### Input

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

#### Access Power Controllers (ACMS8) (cont'd):

##### Outputs

|   |        |
|---|--------|
| Voltage   | 24VDC. |
| Eight (8) 24VDC independently controlled fused outputs                                      |        |
| a) Fail-Safe and/or Fail-Secure power outputs.<br>Form "C" Relays rated 28VAC or VDC @ 2.5A |        |
| b) Auxiliary power outputs (unswitched)   |        |
| c) Any combination of the above   |        |

|              |           |
|--------------|-----------|
| Output Fuses | 3.5A/250V |
|--------------|-----------|

#### Indicators (LED)

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

#### Dual Input Power Distribution Module (PDS8):

##### Input

|            |  |
|------------|--|
| Voltage    | 12VDC from VR6 and 24VDC from eFlow104NB |
| Input Fuse | 10A/32V                                  |

##### 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

|       |        |
|-------|--------|
| Fuses | 3A/32V |
|-------|--------|

#### Indicators (LED)

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

#### T2M7XK1 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.



# T2M7XK1

Access and Power Integration Solution for LenelS2/Mercury

