

## TM400K7D (Kit)

### Access & Power Integration Solution for Mercury

Altronix TM400K7D consists of TM400 enclosure with 12VDC or 24VDC (factory set at 24VDC) @ 4A power supply/charger, four (4) PTC protected output access control module and 12VDC voltage regulator. This kit also accommodates various combinations of Mercury\* boards for up to two (2) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

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

AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identecard, IMRON, Johnson Controls, Kastle, Keri Systems, Lenel/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, Schneider Electric, Vanderbilt



TM400K7D

*Mercury boards are not included*

### Key Features

- 12VDC or 24VDC power supply/charger
- Accommodates the following Mercury controllers: MR50, LP1502, LP4502, MR52, MR16IN, MR16OUT
- Convenient knockout configuration:
  - Twelve (12) double knockouts
  - 1.125" (3/4" Conduit) / 1.375" (1" Conduit)
- 16 gauge black enclosure simplifies board layout and wire management
- Enclosure accommodates up to two (2) 12VDC/7AH 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*

### 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.

**Specifications****Power Supply (eFlow4NB):****Input**

|            |                    |
|------------|--------------------|
| Voltage    | 120VAC, 60Hz, 3.5A |
| Input Fuse | 5A/250V            |

**Output**

|         |                                                |
|---------|------------------------------------------------|
| Voltage | 24VDC                                          |
| Current | 4A continuous                                  |
| Other   | Overvoltage protection. Filtered and regulated |

**Battery Charging**

|          |                                                                          |
|----------|--------------------------------------------------------------------------|
| Capacity | 12VDC/7AH (2 within enclosure)<br>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 |

**Voltage Regulator (VR6):****Input**

|         |                     |
|---------|---------------------|
| Voltage | 24VDC from eFlow4NB |
|---------|---------------------|

**Output**

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

**Indicators (LED)**

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

**Access Power Controller (ACM4CB):****Input**

|           |                     |
|-----------|---------------------|
| Voltage   | 24VDC from eFlow4NB |
| Input PTC | 9A                  |

**Outputs**

|                                                |       |
|------------------------------------------------|-------|
| Voltage                                        | 24VDC |
| Four (4) 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             |

**TM400K7D Kit:****Agency Listings**

|    |                     |
|----|---------------------|
| CE | European Conformity |
|----|---------------------|

**Physical and Environmental****Dimensions (H x W x D)**

|            |                                                     |
|------------|-----------------------------------------------------|
| Enclosure: | 15.5" x 12.23" x 4.5" (393.7mm x 310.6mm x 114.3mm) |
| Shipping:  | 16.5" x 13.5" x 6" (419.1mm x 342.9mm x 152.5mm)    |

**Weight (approx.)**

|          |                    |
|----------|--------------------|
| Product  | 8.75 lb. (3.97 kg) |
| Shipping | 10.0 lb. (4.5 kg)  |

**Temperature**

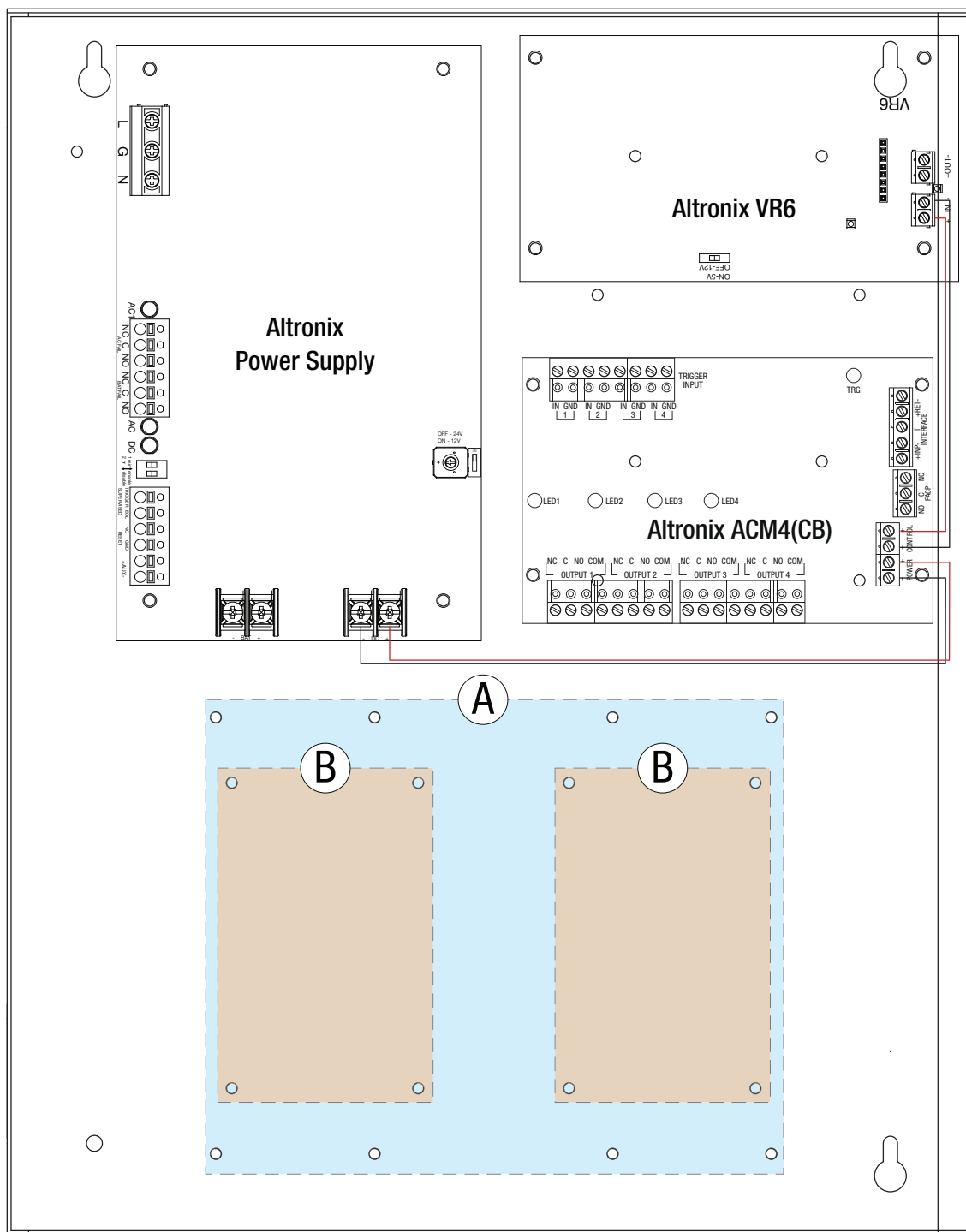
|           |                               |
|-----------|-------------------------------|
| Operating | 0°C to 49°C (32°F to 120°F)   |
| Storage   | -20°C to 70°C (-4°F to 158°F) |

|                   |                           |
|-------------------|---------------------------|
| Relative Humidity | 20 to 85%, non-condensing |
|-------------------|---------------------------|

|                   |            |
|-------------------|------------|
| BTU/Hr (approx.): | 49 BTU/Hr. |
|-------------------|------------|

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

| Mercury                               | Pem Mounting |
|---------------------------------------|--------------|
| MR50                                  | (A)          |
| LP1502, LP4502, MR52, MR16IN, MR16OUT | (B)          |



## Dimensions and Drawing

Dimensions (H x W x D approximate)

15.5" x 12.23" x 4.5" (393.7mm x 310.6mm x 114.3mm)

