



# **Access & Power Integration Solution**

### Description

Altronix T1MK14 kit consists of Trove1 enclosure and TM1 Altronix & Mercury backplane with 12VDC or 24VDC (factory set at 24VDC) @ 4A power supply/charger, 12VDC voltage regulator and four (4) fuse protected output access control module. This kit also accommodates various combinations of Mercury\* boards for up to four (4) 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, Identicard, IMRON, Johnson Controls, Kastle, Keri Systems, Lenel/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic Video Insight, Quintron, RS2, Schneider Electric, Vanderbilt





### **Key Features**

- Accommodates the following Mercury controllers:
   Mercury: LP1501, LP1502, LP2500, LP4502, MR16IN, MR160UT, MR50, MR52, MR62e, MUX8
- Convenient knockout configuration:
- One (1) double knockout
   1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit)
- Nine (9) double knockouts
   1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Supervision
  - AC Fail

- Supervision (cont'd)
  - Battery Fail and Battery Presence
- Agency Listings:
  - All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly Installation Guides for further information
    - UL: UL294 Access Control System
    - cUL: CAN/ULC s319-05 Electronic Access Control Systems
  - CE European Conformity
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- Lifetime Warranty\*

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

## Accessories (order separately)



#### 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.



#### 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.



#### **T1MK14**



# **Access & Power Integration Solution**

### Specifications -

Power Supply (AL400ULXB2):

Input

Voltage 115VAC, 60Hz, 3.5A max

Fusing 5A / 250V

Output

Voltage 12VDC or 24VDC selectable

Current 4A @ 12VDC or 3A @ 24VDC continuous max Other Overvoltage protection. Filtered and regulated

**Battery Backup** 

Capacity 7AH / 12VDC (Up to 2 within enclosure)

40 AH / 65 AH (requires separate enclosure)

Type Sealed lead acid or gel type

Fuse Rating 15A/32V

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

Voltage Regulator (VR6):

Input

Voltage 24VDC from AL400ULXB2

Output

Voltage 12VDC
Current 6A continuous
Other Surge suppression

Indicators (LED)

Input 24VDC is present

Output Powered

**Access Power Controller (ACM4):** 

Input

Voltage 24VDC from AL400ULXB2

Input Fuse 10A/32V

Outputs

Voltage 24VDC

Four (4) independently controlled 2.5A outputs:

a) Four (4) Fail-Safe and/or Fail-Secure power outputs b) Four (4) dry form "C" 5A rated relay outputs.

c) Any combination of the above

Four (4) auxiliary power outputs (unswitched)

Outputs Ratings

Fuses 3A/32VDC

Indicators (LED)

Red LEDs Outputs are triggered (relays energized)

Green LED FACP disconnect is triggered

T1MK14 Kit:

**Agency Listings** 

All components of this Trove kit are UL Listed sub-assemblies

Please refer to the corresponding Sub-Assembly Installation Guides for

further information

CE European Conformity

**Physical and Environmental:** 

Dimensions (H x W x D)

18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)

Weight (approx.)

Product 16.23 lbs. (7.36 kg) Shipping 20.23 lbs. (9.07 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.): 90 BTU/Hr

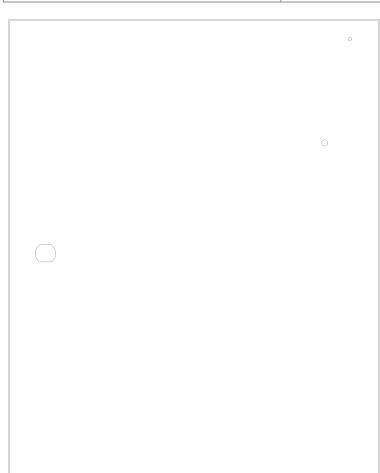


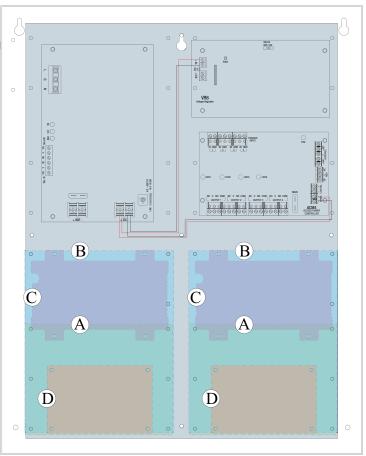


# **Access & Power Integration Solution**

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

Mercury	<b>Pem Mounting</b>
LP2500, MUX8	A
LP1502, LP4502, MR52, MR16IN, MR16OUT	B
LP1501, MR62e	©
MR50	(D)









# **Access & Power Integration Solution**

