

T3MB777K1 (Pre-wired Kit)

Access and Power Integration Solution for Mercury



Altronix T3MB777K1 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 outputs to support Mercury platform controllers and locking devices. The T3MB777K1 accommodates 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, Lenel/S2, LockState, Maxxess, Midpoint Security, NLSS, Open Options, Panasonic i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



T3MB777K1 - includes
(3) eFlow104NB,
(3) ACMS8, (3) PDS8,
wire harnesses and management

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 2.415" (2" Conduit)
 - Two (2) double knockouts
1.948" (1.5" Conduit) / 1.701" (1.25" Conduit)
 - Thirteen (13) double knockouts
1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Unit includes:
 - Removable backplane with mounting brackets
 - Wire management
 - Custom Wire Harnesses for power distribution and 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/12AH batteries
- Lifetime Warranty

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

Specifications

Three (3) Power Supplies (eFlow104NB):

Input

Voltage 120VAC, 60Hz, 13.5A 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/32V
 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

Three (3) Access Power Controllers (ACMS8):

Input

Voltage 24VDC from eFlow104NB
 Input Fuses 15A/32V

Outputs

Voltage 24VDC
 Eight (8) 24VDC independently controlled fused 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 Fuses 3.5A/32V

Indicators (LED)

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

Three (3) Power Distribution Modules (PDS8):

Input

Voltage 24VDC from eFlow104NB
 Input Fuses 10A/32V

Outputs

Voltage 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

T3MB777K1 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)

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.)

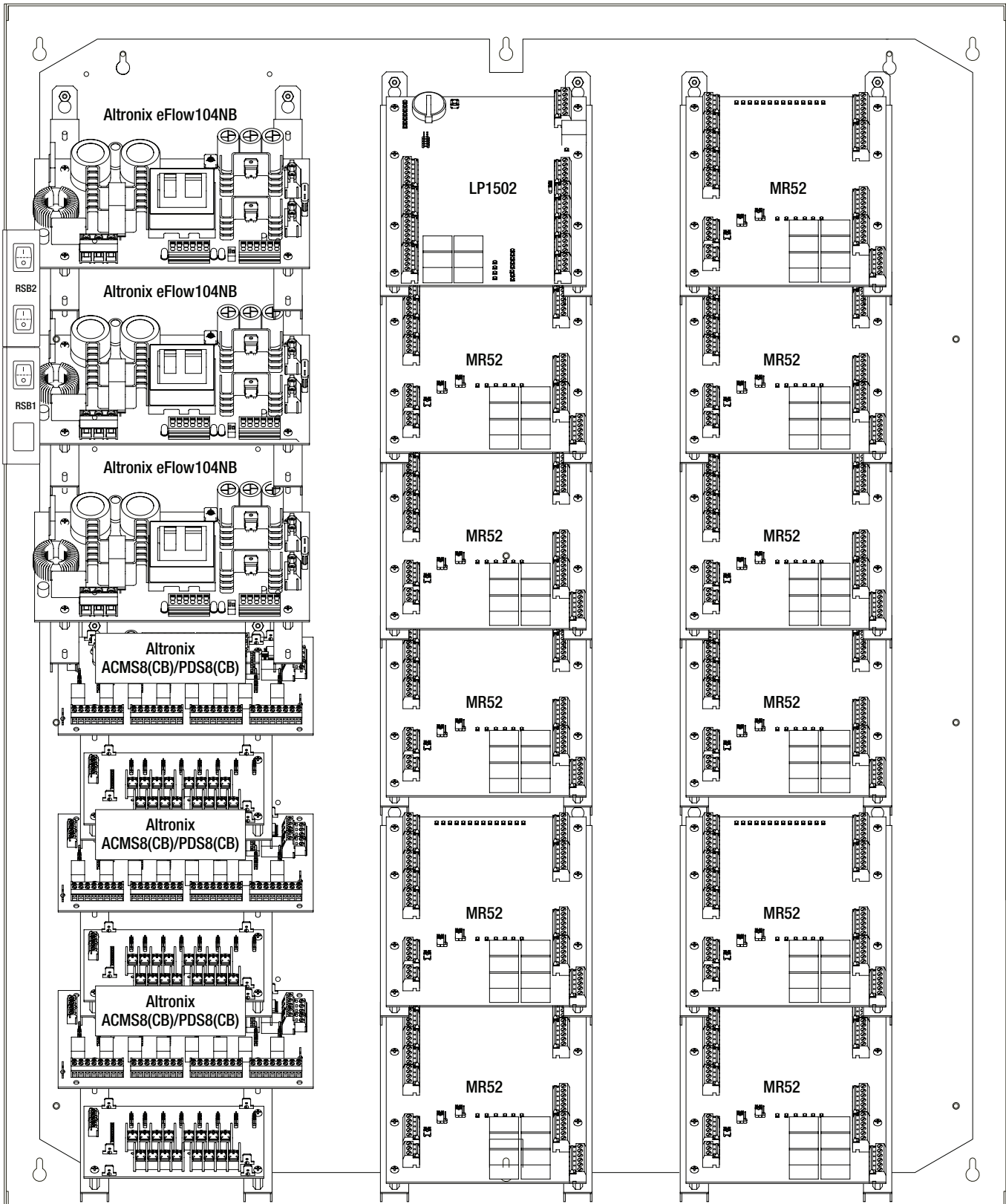
Product 85.6 lb. (42.27 kg)
 Shipping 106.4 lb. (48.26 kg)

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.): 433 BTU/Hr.



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

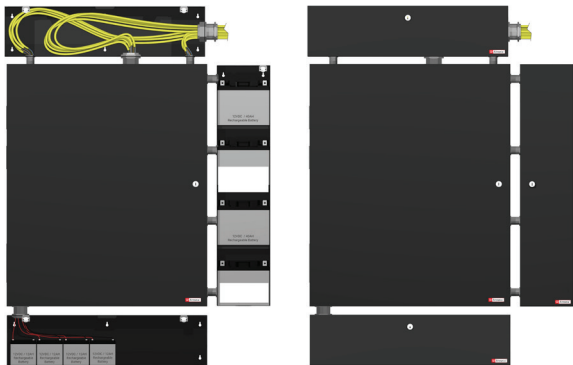
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/ accessories in any metal enclosure or backplane.



BR1

BR1 - Sub-Assembly Mounting Bracket

Altronix BR1 mounting bracket is compatible with Altronix Maximal and Trove enclosures. It allows to mount one (1) PD4UL(CB), PD8UL(CB), ACM4(CB), MOM5, VR6, PDS8, NetWay5B or LINQ8PD(CB) sub-assembly on the enclosure's inside wall, saving valuable space.



TROVE3BWC / TROVE3SWC - Battery/Wire Trough Enclosure

Altronix Trove3BWC and Trove3SWC are dual-purpose enclosures that can be used as wiring troughs or battery cabinets when mounted above or below (Trove3BWC) or on either side (Trove3SWC) of the Trove integrated power and access solution. The knockouts on the Trove3BWC and Trove3SWC have been strategically placed to line up with the Trove3 allowing for easy conduit connections between cabinets. Trove3BWC and Trove3SWC include cam locks and 2 tamper switches each to ensure access to wiring and batteries is secure.

Typical battery/wiring setup with Trove3 Enclosure (not included)

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)

