

T3MK77F16S (Kit)

Access and Power Integration Solution for Mercury

Altronix T3MK77F16S kit consists of Trove3 enclosure and TM3 Altronix & Mercury backplane with two 24VDC @ 10A power supply/chargers, two dual input eight (8) fuse protected output access control modules, two voltage regulators and two dual input eight (8) fuse protected output power distribution modules. This kit also accommodates various combinations of Mercury* boards for up to sixteen (16) 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 i-PRO MonitorCast, Quintron, RS2, S2 Security, Schneider Electric, Vanderbilt



- CE European Conformity

- Lifetime Warranty*

ontrols, Kastle, Keri -PRO MonitorCast, CATCULEV

Mercury boards are not included

Key Features 24VDC power supply/chargers Supervision - AC Fail - Accommodates the following Mercury controllers: - Low Battery and Battery Presence Mercury: LP1501, LP1502, LP2500, LP4502, MR16IN, MR160UT, - Low power shutdown MR50, MR52, MR62e, MUX8 - Agency Listings: - Convenient knockout configuration: - All Altronix components of this Trove kit are UL Listed - One (1) single knockout 2.415" (2" Conduit) sub-assemblies. Please refer to the Sub-Assembly - Two (2) double knockouts Installation Guides for further information 1.948" (1.5" Conduit) / 1.701" (1.25" Conduit) - UL: UL294 - Access Control System Thirteen (13) double knockouts - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems 1.362" (1" Conduit) / 1.115" (3/4" Conduit)

- 16 AWG galvanized steel backplane simplifies board layout
- and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries

*Altronix Power Supply/Chargers and Sub-Assemblies only



Rev. 11072023



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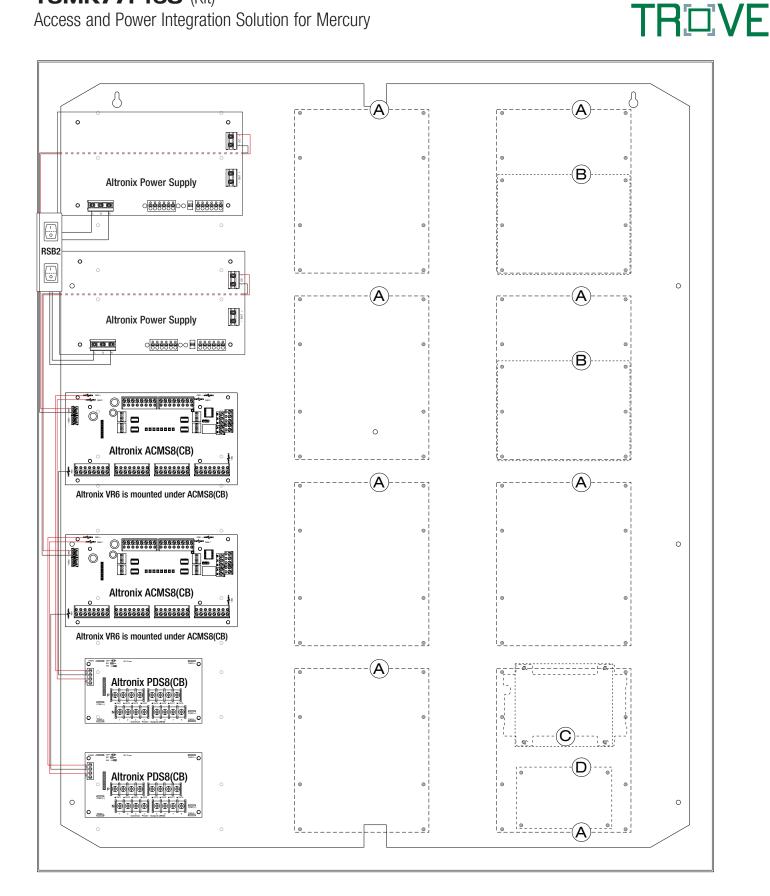
TROVE

Two (2) Power Supplies (eFlow104NB): Input Voltage 120%C, 60/E, 9A max. Input Fuel (2) Voltage Voltage 24/0C (2) 10A Auxiliary 1A (instruction) Output Voltage Voltage 24/0C (2) 10A Auxiliary 1A (instruction) Protection Overvoltage protection. Filtered and regulated Battery State data add or get hype File Alarn Disconnect Output Supervision AC Failure AC Failure Form "C" contacts Battery Do Coutput 2000C is present Do Louto Iteminals if battery voltage drops below 70-75% for 24V units (depending on the power supply). Prevent dee phattery distange 16A/32V Indicators (LED) Instructions is depending on the power supply). Providage 24/0C C instructions Two (2) Dual Input Fuses 16A/32V Output 2000C is present Do Coutput 1200 K200C indeg	- Specification	s		
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Input Fuse 6.3A/250V Output Output Voltage 24/0C (# 10 A Auxillary 1A (winschled) Protection Overvoltage protection. Filtered and regulated Battery 12/4/12/02 (# within enclosure) 40AH/65AH (requires separate enclosure) 40AH/65AH (requires separate enclosure) Type Sealed ad add or gl type Failover Upon AC loss, instantaneous Batteries and separately Chaire Supervised Latching or non-latching EOL 10K Resistor Supervision AC Failure AC Failure Form "C" contacts Battery Ford C' 24/ units (leneming on the power supply). Prevents deep battry Carl endu terminals if Dattry voltage drops below 7075k tor 24/ units (leneming on the power supply). Prevents deep battry Prevents deep battry D2/Work (br present DC Output 24/00C from eflow104NB and 12/00C from VF6 Input Contput terminals if Dattry voltage drops below 7075k tor 24/withs (lenemeting on the power supply). Free termine antore anordination. Proto		120VAC, 60Hz, 9A max.		24VDC from eFlow104NB
Output Voltage 24VDC & 10A Voltage 24VDC & 10A Protection Development Protection Development Protection Development Battery Charging Capacity 12AV12VDC (4 within enclosure) 404PK56AH (requires separate enclosure) 404PK56AH (requires separate enclosure) 540 Features Upon AC loss, instantaneous Battery Charging Latching on non-latching EOL 10K Resistor Supervision AC Failure AC Failure Form *C' contacts Battery Discharged on not connected Two (2) Dual Input Access Power Controllers (ACMS8); Input 120VAC is present DC Output 24VDC form eFlow104NB and 12VDC from VF6 Input 120VAC is present DC Output 24VDC is present DC Output 24VDC form eFlow104NB and 12VDC from VF6 Input Fuses 124VAC is present DC Output 5 24VDC is present DC Output 5 24VDC form eFlow104NB and 12VDC from VF6 Input Fuses 124VAC is present <	Input Fuse		-	
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Battery Discharged or not connected Battery Discharged or not connected Two (2) Dual Input Access Power Controllers (ACMS8): Agency Listings Input CE European Conformity Voltage 24VDC from eFlow104NB and 12VDC from VR6 Please refer to the corresponding Sub-Assembly Installation Guides for further information Voltage 12 or 24VDC individually selectable Please refer to the corresponding Sub-Assembly Installation Guides for further information Voltage 12 or 24VDC individually selectable Please refer to the corresponding Sub-Assembly Installation Guides for further information Voltage 12 or 24VDC individually selectable Please refer to the corresponding Sub-Assembly Installation Guides for further information Voltage 12 or 24VDC individually selectable Product 86.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm) Shipping:				
Input Please refer to the corresponding Sub-Assembly Installation Guides for further information Input Fuses 15A/32V Outputs Voltage 12 or 24VDC individually selectable Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) indepently controlled Form "C" relay outputs: a) Fail-Safe and/or Fail-Secure power outputs b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated c) Auxiliary power outputs (unswitched) d) Any combination of the above Any of the eight (8) fuse protected power outputs are selectable to follow power Input 1 or Input 2 Individual outputs may be set to OFF position for servicing Output Fuses 3A/32V Indiciators (LED) Red LEDs Outputs are triggered (relays energized) Blue LED FACP disconnect is triggered Blue LED FACP disconnect is triggered Individual voltage LEDs: Green: 12VDC		Discharged or not connected	CE	
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Individual voltage LEDs: Green: 12VDC				
Green: 12VDC				
Hea: 24VDU				
	Red:	24VD6	I	



T3MK77F16S (Kit)

Access and Power Integration Solution for Mercury



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T3MK77F16S (Kit) Access and Power Integration Solution for Mercury



Accessories (order separately)



LINQ2 - Network Supervision

Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN

- Remotely reports accurate power diagnostics

These are ideal for wire management in our Trove series.

- Controls power and resets devices
- Reports system diagnostics via Email



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.

WM5

RR1

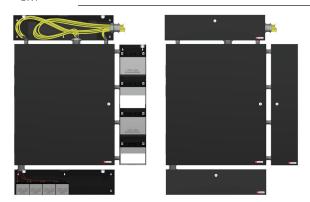


MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

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

BR1 - 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)



T3MK77F16S (Kit) -

Access and Power Integration Solution for Mercury

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)

