

T2MK74D (Kit) Access & Power Integration Solution for Mercury

Altronix T2MK74D kit consists of Trove2 enclosure and TM2 Altronix & Mercury backplane with 24VDC @ 10A power supply/charger, four (4) PTC protected output access control module and eight (8) PTC protected output power distribution 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





T2MK74D

Mercury boards are not included

Key Features

24VDC power supply/charger Supervision - AC Fail - Accommodates the following Mercury controllers: - Battery Fail and Battery Presence Mercury: LP1501, LP1502, LP2500, LP4502, MR16IN, MR160UT, MR50, MR52, MR62e, MUX8 - Agency Listings: - All Altronix components of this Trove kit are UL Listed - Convenient knockout configuration: sub-assemblies. Please refer to the Sub-Assembly - One (1) single knockout 2.415" (2" Conduit) Installation Guides for further information - Sixteen (16) double knockouts - UL: UL294 - Access Control System 1.362" (1" Conduit) / 1.115" (3/4" Conduit) - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems - 16 AWG galvanized steel backplane simplifies board layout - CE European Conformity and wire management Lifetime Warranty* Enclosure accommodates up to four (4) 12VDC/12AH batteries

*Altronix Power Supply/Chargers and Sub-Assemblies only



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- Specifications	;			
Power Supply/Charger (AL1024ULXB2):		Power Distribution Module (PD8ULCB):		
Input		Input		
Voltage	115VAC 60Hz, 4.2A	Voltage	24VDC from AL1024ULXB2	
Input Fuse	5A/250V	Outputs		
Outputs		Voltage	24VDC	
Voltage	24VDC	PTCs	2.5A	
Current	10A @ 24VDC continuous max.	Indicators (LED)		
Other	Overvoltage protection. Filtered and regulated	Green LED	DC Output	
Battery Charging		T2MK74D Kit:		
Capacity	12VDC/12AH (2 within enclosure)	Agency Listings All components of this Trove kit are UL Listed sub-assemblies		
-	40AH/65AH (requires separate enclosure)			
Туре	Sealed lead acid or gel type	Please refer to the corresponding Sub-Assembly Installation Guides		
Failover	Upon AC loss, instantaneous	for further information		
Batteries are sold s	separately	CE	European Conformity	
Supervision AC Failure	Form "C" contacts	Physical and Environ		
Battery	Form "C" contacts	Dimensions (H x W x D)		
	TOTTI O CONTACTS	Enclosure:		
Indicators (LED)		27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)		
Input DC Output	115VAC is present Powered	Shipping:		
Battery	Discharged or not connected		5" (825.5mm x 673.1mm x 282.6mm)	
		Weight (approx.) Product:	20.0 lb (17.70 km)	
Access Power Controller (ACM4CB):		Shipping:	39.2 lb. (17.78 kg) 43 lb. (19.5 kg)	
Input		Temperature	45 lb. (19.5 kg)	
Voltage	24VDC from AL1024ULXB2	Operating	0°C to 49°C (32°F to 120°F)	
Input PTC	9A	Storage	- 20°C to 70°C (- 4°F to 158°F)	
Outputs		Relative Humidity	85% +/- 5%	
Voltage	24VDC	BTU/Hr. (approx.):	145 BTU/Hr.	
	dently controlled PTC outputs:			
	nd/or Fail-Secure power outputs			
	elays rated 28VAC or VDC @ 2.5A			
	wer outputs (unswitched)			
C) Any combin Output PTCs	ation of the above 2.5A			
•	2.JM			
Indicators (LED) Red LEDs	Outputs are triggered (relays energized)			
Green LED	FACP disconnect is triggered			
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Access Controller Position Chart for the Following Models:

Altronix/Mercury	Pem Mounting
LP2500, MUX8	A
LP1502, LP4502, MR52, MR16IN, MR160UT	B
LP1501, MR62e	\bigcirc
MR50	D





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Accessories (order separately)



WM5, WM25, WM100 - Magnetic Cable Tie Mounts

MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

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



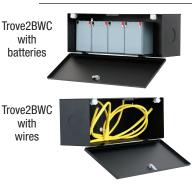
BR1 - Sub-Assembly Mounting Bracket

accessories in any metal enclosure or backplane.

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.

Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/

BR1



TROVE2BWC - Battery/Wire Trough Enclosure

Altronix Trove2BWC is a dual-purpose enclosure that can be used as wiring trough or battery cabinet when mounted above or below of the Trove2 integrated power and access solution. The knockouts on the Trove2BWC have been strategically placed to line up with the Trove2 allowing for easy conduit connections between cabinets. Trove2BWC includes cam locks and 2 tamper switches to ensure access to wiring and batteries is secure.



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Dimensions and Drawing -

Dimensions (H x W x D approximate)

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)

