

T2MK7F4D (Kit) -Access & Power Integration Solution for Mercury

Altronix T2MK7F4D kit consists of Trove2 enclosure and TM2 Altronix & Mercury backplane with 24VDC @ 10A power supply/charger, 12VDC voltage regulator, eight (8) PTC protected output dual voltage power distribution module and four (4) PTC 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



Mercury boards are not included

– Key Features	
 24VDC power supply/charger Accommodates the following Mercury controllers: Mercury: LP1501, LP1502, LP2500, LP4502, MR16IN, MR160UT, MR50, MR52, MR62e, MUX8 	 Supervision AC Fail Low Battery and Battery Presence Low power shutdown
 Convenient knockout configuration: One (1) single knockout 2.415" (2" Conduit) Sixteen (16) double knockouts 362" (1" Conduit) / 1.115" (3/4" Conduit) 	 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
 16 AWG galvanized steel backplane simplifies board layout and wire management 	 - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems - CE European Conformity
- Enclosure accommodates up to four (4) 12VDC/12AH batteries	- Lifetime Warranty*

*Altronix Power Supply/Chargers and Sub-Assemblies only

Rev. 06082023





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Power Supply/Charger (eFlow104NB):		Voltage Regulator (VR6):		
Input		Input Voltage	24VDC from eFlow104NB	
Voltage	120VAC, 60Hz. 4.5A		24VDG ITOTTI EFIOWT04ND	
Input Fuse	6.3A/250V	Output	101/00	
Output		Voltage	12VDC	
Voltage	24VDC	Current	6A continuous	
Current	10A continuous	Other	Surge suppression	
Auxiliary	1A (unswitched)	Indicators (LED)		
Other	Overvoltage protection. Filtered and regulated	Input	24VDC is present	
Battery Charging		Output	Powered	
Capacity	12VDC/12AH (2 within enclosure)	A		
Capacity	40AH/65AH (requires separate enclosure)	Access Power C	Controller (ACM4CB):	
Туре	Sealed lead acid or get type	Input		
Failover	Upon AC loss, instantaneous	Voltage	24VDC from eFlow104NB	
		Input Fuse	10A/32V	
Batteries are sold s	eparately	Outputs		
Supervision		Voltage	24VDC	
AC Failure	Form "C" contacts		lently controlled PTC outputs:	
Battery	Form "C" contacts	a) Fail-Safe and/or Fail-Secure power outputs		
Low DC Power		Form "C" Relays rated 28VAC or VDC @ 2.5A		
	output terminals if battery voltage drops below	b) Auxiliary power outputs (unswitched)		
70-75% for 24V	units (depending on the power supply)	c) Any combination of the above		
Prevents deep ba	attery discharge	Output PTCs 2.5A		
Indicators (LED)			Z.JA	
Input	120VAC is present	Indicators (LED)		
DC Output	Powered	Red LEDs	Outputs are triggered (relays energized)	
Battery	Discharged or not connected	Green LED	FACP disconnect is triggered	
•	Ũ			
Dual Input Power Distribution Module (PDS8CB):		T2MK7F4D Kit:		
Input		Agency Listings		
Voltage	24VDC from eFlow104NB and 12VDC from VR6	All components of this Trove kit are UL Listed sub-assemblies		
Input PTCs	9A	Please refer to the c	Please refer to the corresponding Sub-Assembly Installation Guides	
Outputs		for further information		
Voltage	12VDC and/or 24VDC	CE	European Conformity	
	power outputs are selectable	Physical and Envi	ronmental	
to follow power Inpu		Dimensions (H x W x D)		
	ay be set to OFF position for servicing	Enclosure: 27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)		
Output PTCs	2.5A	Shipping: 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm		
Indicators (LED)	2.01	Weight (approx.)		
DC Outout Fight	(8) individual output LEDs	Product	39.2 lb. (17.78 kg)	
Green:	12VDC	Shipping	43 lb. (19.5 kg)	
Red:	24VDC	Temperature	43 ID. (19.3 Kg)	
neu.	24100		00C to 100C (200E to 1000E)	
		Operating	0°C to 49°C (32°F to 120°F)	
		Storage	-20° C to 70° C (-4° F to 158° F)	
	Relative Humidit			
		BTU/Hr (approx.	.): 145 BTU/Hr.	



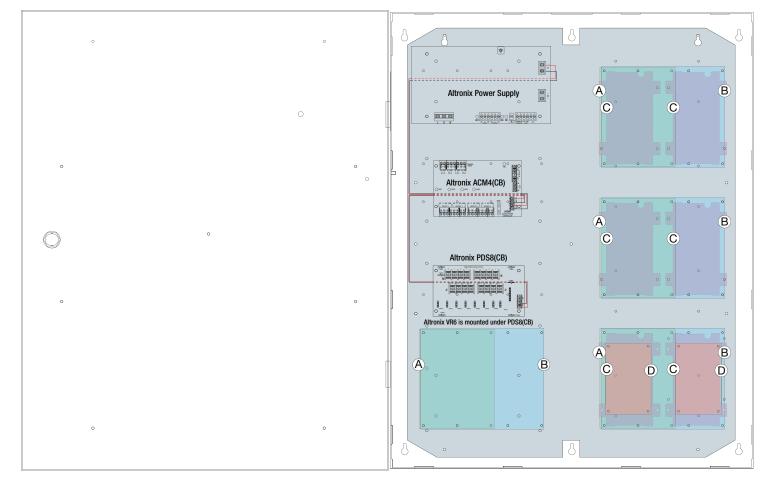
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Access Controller Position Chart for the Following Models:

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)



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, WM25, WM100 - Magnetic Cable Tie Mounts

These are ideal for wire management in our Trove series.

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



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.

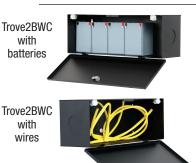
Mounting Magnet

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.



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)

