Access & Power Integration Solution

Description

T1MK14S

FRDVE

Altronix T1MK14S 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, eight (8) fuse protected output dual voltage power distribution module 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
- *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.

Supervision (cont'd)

- CE European Conformity

- Agency Listings:

- Lifetime Warranty*

- Low Battery and Battery Presence

Installation Guides for further information

- UL: UL294 - Access Control System

- All Altronix components of this Trove kit are UL Listed sub-assemblies. Please refer to the Sub-Assembly

- Enclosure accommodates up to two (2) 12VDC/7AH batteries

- cUL: CAN/ULC - s319-05 - Electronic Access Control Systems

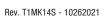


MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

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



Altronix



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Power Supply (AL400ULXB2):		Voltage Regulator (VR6) (cont'd):	
Input		Output	
Voltage	115VAC, 60Hz, 3.5A max	Voltage	12VDC
Fusing	5A / 250V	Current	6A continuous
Output		Other	Surge suppression
Voltage	12VDC or 24VDC selectable	Indicators (LED)	
Current	4A @ 12VDC or 3A @ 24VDC continuous max	Input	24VDC is present
Other	Overvoltage protection. Filtered and regulated	Output	Powered
Battery Backup			
Capacity	7AH / 12VDC (Up to 2 within enclosure) 40 AH / 65 AH (requires separate enclosure)	Access Power Controller (ACM4): Input	
Туре	Sealed lead acid or gel type	Voltage	24VDC from AL400ULXB2
Fuse Rating	15A/32V	Input Fuse	10A/32V
Failover	Upon AC loss, instantaneous.	Outputs	
Supervision		Voltage	24VDC
AC Failure	Form "C" contacts	Four (4) independently controlled 2.5A outputs:	
Battery	Form "C" contacts	a) Four (4) Fail-Safe and/or Fail-Secure power outputs	
Indicators (LED)		b) Four (4) dry form "C" 5A rated relay outputs.	
Input	115VAC is present	c) Any combination of the above	
DC Output	Powered	Four (4) auxiliary power outputs (unswitched)	
Battery	Discharged or not connected	Outputs Rating	
,		Fuses	3A/32VDC
Dual Input Power Distribution Module (PDS8)		Indicators (LED)	
Input		Red LEDs	Outputs are triggered (relays energized)
Voltage	12VDC from VR6 and 24VDC from AL400ULXB2	Green LED	FACP disconnect is triggered
Input Fuse	10A/32V	TANKAAC Kite	
Outputs		T1MK14S Kit:	
Voltage	12VDC and/or 24VDC	Agency Listings	
Any of the eight (8) power outputs are selectable		All components of this Trove kit are UL Listed sub-assemblies Please refer to the corresponding Sub-Assembly Installation Guides for	
to follow power Inpu		further information	sorresponding out Assembly installation duides for
	nay be set to OFF position for servicing	CE	European Conformity
Outputs Rating			
	3A/32V	Physical and Environmental:	
Fuses		Dimensions (H x W x D)	
Fuses Indicators (LED	•		
Fuses Indicators (LED DC Output	Eight (8) individual output LEDs	18" x 14.5" x 4.	62" (457.2mm x 368.3mm x 118.0mm)
Fuses Indicators (LED DC Output Green:	Eight (8) individual output LEDs 12VDC	18" x 14.5" x 4. Weight (approx	
Fuses Indicators (LED DC Output	Eight (8) individual output LEDs		
Fuses Indicators (LED DC Output Green: Red:	Eight (8) individual output LEDs 12VDC 24VDC	Weight (approx	.)
Fuses Indicators (LED DC Output Green: Red: Voltage Regulat	Eight (8) individual output LEDs 12VDC 24VDC	Weight (approx Product Shipping	.) 16.23 lbs. (7.36 kg)
Fuses Indicators (LED DC Output Green: Red: Voltage Regulat	Eight (8) individual output LEDs 12VDC 24VDC or (VR6):	Weight (approx Product Shipping Temperature	.) 16.23 lbs. (7.36 kg) 20.23 lbs. (9.07 kg)
Fuses Indicators (LED DC Output Green: Red: Voltage Regulat	Eight (8) individual output LEDs 12VDC 24VDC	Weight (approx Product Shipping Temperature Operating	.) 16.23 lbs. (7.36 kg) 20.23 lbs. (9.07 kg) 0°C to 49°C (32°F to 120°F)
Fuses Indicators (LED DC Output Green: Red: Voltage Regulat Input	Eight (8) individual output LEDs 12VDC 24VDC or (VR6):	Weight (approx Product Shipping Temperature	.) 16.23 lbs. (7.36 kg) 20.23 lbs. (9.07 kg) 0°C to 49°C (32°F to 120°F) -20°C to 70°C (-4°F to 158°F)

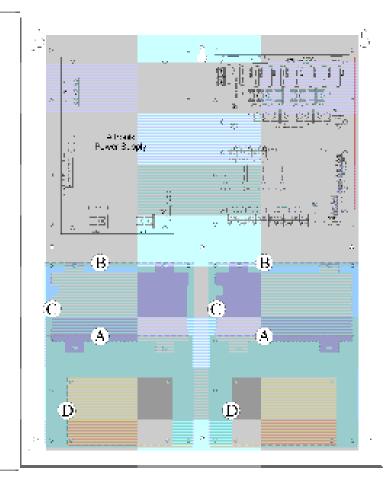


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Access Controller Position Chart for the Following Models:

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Mercury	Pem Mounting
LP2500, MUX8	A
LP1502, LP4502, MR52, MR16IN, MR16OUT	B
LP1501, MR62e	C
MR50	D



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