## Trove3 / Mercury Kits — Access & Power Integration Solution

### Description

Altronix Trove3 Mercury kits are pre-assembled and consist of Trove enclosure and backplane with factory installed Altronix power supply/chargers and sub-assemblies. These kits also accommodate 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.



Altronix®

T3MK75F16D

- Supervision

- AC Fail

### Key Features -

- Accommodate the following Mercury boards:
  Mercury: EP1502, MR52, MR16IN, MR160UT, EP2500, MUX8, and Genetec Synergis Cloud Link
- Convenient knockout configuration.
- 16 AWG galvanized steel backplane simplifies board layout and wire management.
- Filtered and electronically regulated outputs.
- Thermal and short circuit protection with auto reset.
- Built-in charger(s) for sealed lead acid or gel type batteries.Instantaneous transfer to stand-by batteries.

- Low Battery and Battery Presence

- Low power shutdown.

- AC input and DC output LED indicators.
- Enclosure accommodates up to four (4) 12VDC/12AH batteries.
- Lifetime Warranty\* / Made in the U.S.A.

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

### Trove3 / Mercury Kit Components Reference Chart

	Maximum	Power S	Supplies	A		
Altronix Model Number	Number of Doors Accommodated	Power Supply 1	Power Supply 2	Access Power Controllers	Power Distribution Module	Rocker Switch
T3MK75F16	16	eFlow104NB	eFlow102NB	Two (2) ACM8	PD8UL	2
T3MK75F16D	16	eFlow104NB	eFlow102NB	Two (2) ACM8CB	PD8ULCB	2
T3MK77F16	16	eFlow104NB	eFlow104NB	Two (2) ACM8	Two (2) PD8UL	2
T3MK77F16D	16	eFlow104NB	eFlow104NB	Two (2) ACM8CB	Two (2) PD8ULCB	2

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### Trove3 / Mercury Kit Configuration Reference Chart

Altronix<sup>®</sup>

	Nominal DC Output Voltage Options								Maximum	<b>_</b>							
		Power S	Supply 1	1		Power S	Supply 2	2	Supply Current	'e or its		(	-	-			
	[DC]		[AUX]		[DC]		[AUX]		for Main and Aux.	Secure ( Outputs	Iput	ut (A	Board ting	y Board Rating	۲ اور	Rating	bu
Altronix Model Number	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)	12VDC Output Range (V)	24VDC Output Range (V)	يَنَّ Supply board and اللَّتَى ACM8(CB)	VAC, 60Hz ent (A)	Current Per ACM8(CB) Output (A)	Power Supply Boa Input Fuse Rating	Power Supply B Battery Fuse Ra	ACM8(CB) Board Input Fuse Rating	ACM8 Board Output Fuse Rai	ACM8CB Board Output PTC Rating	
T3MK75F16	_	20.19- 26.4	-	20.19- 26.4	10.0- 13.2	_	10.03- 13.2	_	24VDC @ 9.2A		8.0		6.3A/250V (eFlow104NB)		10A/ 250V	2.5A	-
T3MK75F16D	_	20.19- 26.4	_	20.19- 26.4	10.0- 13.2	_	10.03- 13.2	_	12VDC @ 9.3A	16	8.0	2.0	5A/250V (eFlow102NB)	15A/	10A/ 250V	_	2.0A
T3MK77F16	_	20.19- 26.4	_	20.19- 26.4	_	20.19- 26.4	_	20.19- 26.4	24VDC @ 9.2A	16		2.0		32V	10A/ 250V	2.5A	-
T3MK77F16D	_	20.19- 26.4	-	20.19- 26.4	_	20.19- 26.4	_	20.19- 26.4	24VDU @ 9.2A		9.0		6.3A/250V		10A/ 250V	-	2.0A

### Specifications —

Input		Indicators (LE	D)					
Voltage	120VAC, 60Hz.	Input	120VAC is p	resent.				
Fusingsee Configuration Reference Chart.		DC Output	Powered.	Powered.				
		Battery	Discharged of	or not connected.				
Outputs								
Voltage	12 or 24VDC, see Configuration Reference Chart	Physical and	Environmental					
Current	Varies, see Configuration Reference Chart.	Dimensions	(H x W x D)					
Other	Overvoltage protection.	36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm).						
	Filtered and regulated.	Weight (approx.):						
		T3MK75F16	84.2 lbs. (38.2 kg)	97.5 lbs. (44.22 kg)				
Back-up Battery (not included)		T3MK75F16D	84.2 lbs. (38.2 kg)	97.5 lbs. (44.22 kg)				
Capacity	12AH / 12VDC (Up to 4 within enclosure).	T3MK77F16	85.6 lbs. (38.83 kg)	98.8 lbs. (44.82 kg)				
<b>T</b>	40 AH / 65 AH (requires separate enclosure).	T3MK77F16D	85.6 lbs. (38.83 kg)	98.8 lbs. (44.82 kg)				
Туре	Sealed lead acid or gel type.	Temperature	9					
Fuse Rating	15A/32V.	Operating	0°C to 49°C	(32ºF to 120ºF).				
Failover	Upon AC loss, instantaneous.	Storage	-20°C to 70°	C (-4℉ to 158℉).				
Supervision		Relative Hur	midity 85% +/-5%.					
AC Failure	Form "C" contacts.	BTU/Hr (app	prox.):					
Battery			VK75F16D 217	7				
Low DC Power		T3MK77F16, T2I	MK77F16D 28	9				
Shuts down DC	output terminals if battery voltage drops below units and 70-75% for 24V units							
	ne power supply). Prevents deep battery discharge.							