

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



#### T3MK77F16S (Kit) -Access and Power Integration Solution for Mercury

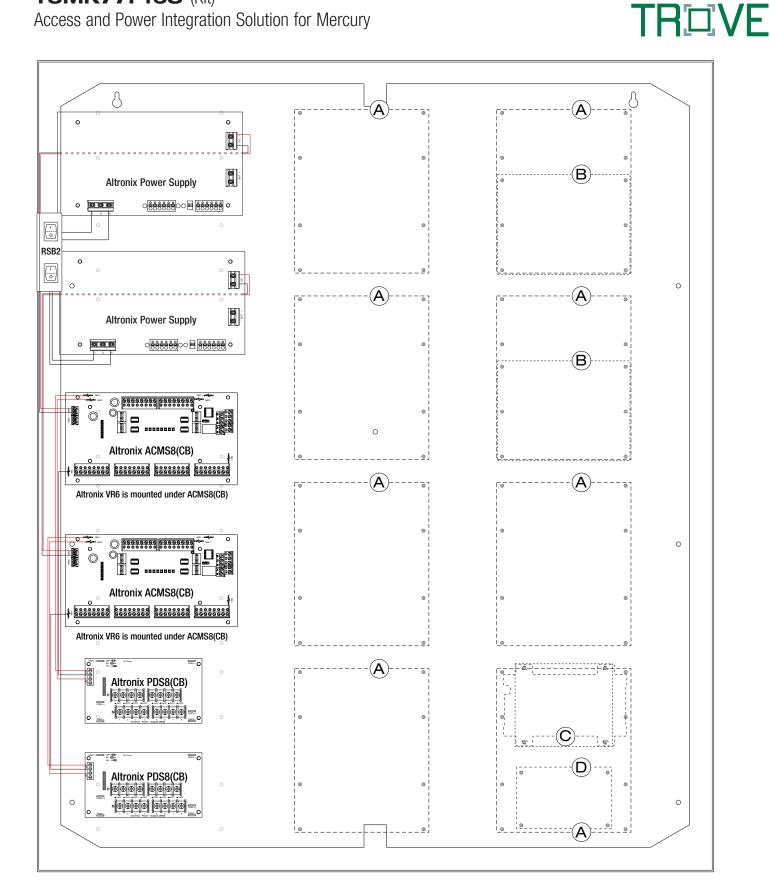
## TROVE

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		
Input Voltage       120/AC, 60Hz, 9A max.         Voltage       24/DC (B) LA         Output       Voltage         Voltage       24/DC (B) LA         Auxiliary       1.4 (unswitched)         Protection       Devine the second sec	•		Two (2) Voltage Regulators (VR6):	
Voltage       120WC, 60Hz, 94 max.         Input Fuse       6.3/250V         Output       0.4/250V         Voltage       24/0C (20 Tran eFlow104NB         Auxiliary       1.4 (unswitched)         Protection       0.4/2005 (20 Tran eFlow104NB         Battery Charging       Capacity       12/4/12/DC (4 within enclosure)         Yotage       12/4/12/DC (4 within enclosure)         Palover       Upon AC loss, instantaneous         Battery Capacity       12/4/12/DC (4 within enclosure)         Coll       10K Resistor         Supervision       10K Resistor         AC Failure Form "C" contacts       10/4/22V         Battery Dos charging on the power supply).       2/10C from eflow104NB and 12/DC from VF6         Providage and the generating in the power supply).       2/10C from eflow104NB and 12/DC from VF6         Providage and the generating in the power supply).       2/10C from eflow104NB and 12/DC from VF6         Providage 12 07 2/4/DC is present       2/2/DC from eflow104NB and 12/DC from VF6         Dotty 12       2/10/2 is present       2/2/DC from eflow104NB and 12/DC from VF6         Input Voltage 12 07 2/4/DC is present       2/2/DC from eflow104NB and 12/DC from VF6         Input Voltage 12 07 2/4/DC ind withely selectable       2/4/DC ind withely selectable         Pol				<b>o</b> ( )
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		-	
Voltage Auxiliary Protection24VDC & 10A Auxiliary 	•			12/00
Auxiliary       14 (unswitched)         Protection       Overvoltage protection. Filtered and regulated         Battery Charging       (A)44/45/24/(Equite separate enclosure)         -40.44/45/24/(Equite separate enclosure)       (A)44/45/24/(Equite separate enclosure)         -40.44/45/24/(Equite separate enclosure)       (A)44/45/(Fourte separate enclosure)         -40.44/45/24/(Equite separate enclosure)       (A)44/45/(Fourte separate enclosure)         -50.1       10K Resistor         Supervision       (A) (Fourte separate)         -AC Failure       Form "C" contacts         -Battery       Form "C" contacts         -Cord Power Shutchown       Tor 76/6 (Fourte separate)         -Nord Cord power Shutchown       Tor 76/6 (Fourte separate)         -Nord Cord power Shutchown       Fuses         -Cord power Shutchown       Tor 76/6 (Fourte separate)         -Cord power Shutchown       Edition (C)	•	24VDC @ 10A		
Protection         Overvoltage protection. Filtered and regulated           Battery Charging         Indicators (LED)           Capacity         124H/12VDC (4 within enclosure)           40A14/05A1 (requires separate enclosure)           Type         Scale lead acid or get type           Failover         Upon AC loss, instantaneous           Batteries sold separately         Two (2) Dual Input Power Distribution Modules (PDS8):           Fire Alarm Disconnect         Supervised         Lattring or non-latching           EOL         10K Resistor           Supervision         AC Failure         Form "C" contacts           Battery         Form "C" contacts         Indicators (LED)           AC Failure         Form "C" contacts         Output Sees 3A/32V           Subus down DC output terminals if hatney voltage drops below         70-75% for 24V mis (depending on the power supply).         Free reserver         12/UC           Prevents deep battery discharge         24/UDC from eFlow104NB and 12/UC from VR6         Indicators (LED)           AC Failures         12/UC         Eight (8) individual output LEDs         Form "C" contacts           Indicators (LED)         Cal mput         220VAC fis present         220VAC           DC Output         24/UDC (is present         220VDC         Form wr 68         Protocut match				
Battery Charging Capacity       12AH/12VDC (4 within enclosure) 40AH/405AH (requires separate enclosure) 40AH/405AH (requires separate enclosure)       24VDC (is present Output         Failower       Upon AC loss, instantaneous       24VDC from eFlow104NB and 12VDC from VR6 Input         Batteries are sold separately       Two (2) Dual Input Power Distribution Modules (PDS8): Input         Fire Alarm Disconnect       Supervision         AC Failure       Form *C' contacts         Battery       Form *C' contacts         Dav DC Power Shutdown       Shuis down DC output terminals if battery voltage drops below 70-75% (F24V unit (begending on the power supply). Prevents deep battery discharge       12VDC is present         Indicators (LED)       AC Input       120VAC is present         DC Output       24VDC form eFlow104NB and 12VDC from VR6         Input Tuses       15X32V         Voltage       12 VDC individually selectable         Eight (6) selectable 120CC - 24VDC individually selectable       Eight (6) indepentity controlled form *C" relay outputs: a) Flain Scale and/or Flaine senericing       70'7'8', 33: 25'' x 12'' (1035.1mm x 768.1mm x 179.3mm)         Weight (Approx.)       Product as thiggered (relays energized)         Indicators (LED)       Availage power outputs are selectable to follow power input 1 or input 2         Indicators (LED)       For 24WDC individually selectable to follow power input 1 or input 2				
Capacity       124H/20/C (4 within enclosure)         MOHAGSAH (requires separate enclosure)         Type       Sealed lead acid or gel type         Failover       Upon AC loss, instantaneous         Batteries and separately         Fire Alarm Disconnect         Supervised       Latching or non-latching         EOL       10K Resistor         Supervised       Latching or non-latching         EOL       10K Resistor         Supervision       To for "C" contacts         AC Failure Form "C" contacts       To for "C" contacts         Battery       Form "C" contacts         Now DO Power Shutdown       Shuts down DC output terminals if battery voltage drops below         70-75% for 24V units (depending on the power supply).       Prevents deep hattery discharge         Inductors (LED)       24VDC form eflow 104NB and 12VDC from VR6         Input       120VAC is present         DC Output       24VDC is present         DC Output       24VDC form eflow 104NB and 12VDC from VR6         Input       120VAC is present         DC Output       24VDC is present         DC Output       24VDC form eflow 104NB and 12VDC from VR6         Input       12VDC         Voitage       2 ar 24VDC individually selectable				2/1/DC is present
UpberHow for the observed 40AH/65AH (requires separate enclosure) 40AH/65AH (requires separate enclosure) TypeTwo (2) Dual Input Power Distribution Modules (PDS8): InputTypeSealed lead acid or get type Battery is and acid or get type SupervisionTwo (2) Dual Input Power Distribution Modules (PDS8): InputFire Alarm Disconnect Supervision A C Failure EOL To To K ResistorTwo (2) Dual Input Access Power Shutdown To "C" contacts Low DC Power Shutdown Coutput Equation for servicing Outputs Supervision AC Input 120/AC is present BatteryTables to OFF position for servicing Output Fuses 24VDC individual voltage on not connectedTwo (2) Dual Input Access Power Controllers (ACMS9): Input 		10  M / (10) / DC (4 within analogura)		
InputPailoveUpon AC loss, instantaneousBatteries are sold separatelyFire Alarm DisconnectSupervisedLatching or non-latchingEOLTOK ResistorSupervisionContactsAC FailureForm "C" contactsBatteryForm "C" contactsBatteryForm "C" contactsIndicators (LED)ZOVDC from the power supply).Prevents deep battery dischargeIndicators (LED)ZOVDC from the power supply).Prevents deep battery discharge of not connectedTwo (2) Dual Input Access Power Controllers (ACMS8):InputCoutput 24VDC from eFlow 104NB and 12VDC from VR6Input Voltage24VDC from eFlow 104NB and 12VDC from VR6Input Voltage12 or 24VDC individually selectableEight (8) selectable 12VDC - 24VDC individually selectableDi form "C" Relays, 28VAC or VDC @ 2.5A Rated0) Avary combination of the aboveAv of the eight (8) independty controlledOutputs the eight (8) independty controlled form "C" relay outputs:0) Avary combination of the aboveAv of the eight (8) independty controlled form "C" relay outputs:0) Avary combination of the aboveAv of the eight (8) independty controlled form "C" relay outputs:0) Avar	Сарасну	40AH/65AH (requires separate enclosure)		
The state of the second segment of the second segm	Туре	Sealed lead acid or gel type		it Power Distribution Modules (PD58):
Fire Alarm Disconnect       Latching roon-latching         Supervised       Latching roon-latching         EOL       10K Resistor         Supervision       AC Failure         AC Failure       Form "C" contacts         Battery       Form "C" contacts         Low DC Power Shutdown       Individual outputs may be set to OFF position for servicing         Outputs       Outputs fuses         Shuts down DC output terminals if battery voltage drops below       AC Input         70-75% for 24V units (depending on the power supply).       Prevents deep battery discharge         Indicators (LED)       AC Input       120VAC is present         DC Output       24VDC from eFlow104NB and 12VDC from VR6         Input Fuses       15A/32V         Outputs       24VDC Independently controlled form "C" relay outputs:         a) Fail-Safe and/or Fail-Secure power outputs       are left (b' indeprivonmental:         Dimension of the above       24VDC (approx.)         Product Resist, 28VAC or VDC (apper outputs)       36.12* x 30.12* x 7.06* (917.5mm x 768.1mm x 179.3mm)         Shipping:       36.12* x 30.12* x 7.06* (917.5mm x 768.1mm x 179.3mm)         Shipping:       98.ab. (44.82.kg)         Two (2) Dual Input Access Power outputs are selectable       56.1b. (38.83.kg)         individual outputs reinfige	Failover	Upon AC loss, instantaneous		
Fire Adam Disconnect         Supervision         AC Failure         Form "C" contacts         Battery       Form "C" contacts         Low DC Power Shuttdown         Shuts down DC output terminals if battery voltage drops below         70-75% for 24V units (depending on the power supply).         Prevents deep battery discharge         Indicators (LED)         AC Failure         AC Input         120VAC is present         DC Output       24VDC independent         DC Output       24VDC from eFlow104NB and 12VDC from VRB         Input       Voltage       24VDC independently controlled form "C" relays: are fear to the corresponding Sub-Assembly installation Guides for further information         Physical and Environmental:       Discharged form C" relay outputs:         a) Fail-Safe and/or Fail-Secure power outputs       25 x 7.06" (917.5mm x 768.1mm x 179.3mm)         Shipping       98.1b. (44.82 kg)         Torage       -20°C to 74%C (44*E0 t58*F).         Product       85.6 lb. (38.33 kg)         Shipping       98.1b. (44.82 kg)         Torage       -20°C to 74%C (4*F to 158*F).         Product       85.6 lb. (38.43 kg)         Thy or part if the gingered (relays energized)       Shipping         bilbe LED	Batteries are sold se	eparately		
Supervised EOL       Latching or non-latching EOL       Outputs         Supervision AC Failure       Form "C" contacts Battery       Form "C" contacts         Dattery       Form "C" contacts         Dot DP Over Shutdown       Indicators (LED)         AC Input       120VAC is present         Dattery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS9):       Indicators (LED)         Nottage       12 or 24VDC from eFlow104NB and 12VDC from VR6         Input       Fuses       15A/32V         Voltage       12 or 24VDC individually selectable         Eight (8) selectable 12/DC - 24VDC individually selectable       2 or 24VDC individually selectable         10 Ary combination of the above       2 or 24VDC individually selectable         0 and individual outputs may be set to OFF position for servicing       0 or 5 x 3.05 s' x 1.0° (103.5 mm x 768.1mm x 179.3mm)         Shipping:       98.10       1.0° (29 cortage       2.0° (20 cort				10A/32V
EOL       10K Resistor         Supervision       AC Failure       Form "C" contacts         Battery       Form "C" contacts         Low DC Power Shutdown       Individual uptust maybe set to OFF position for servicing         Outputs       70-75% for 24V units (depending on the power supply). Prevents deep battery discharge       Purce and/or 24VDC         Indicators (LED)       AC faput       120VAC is present         DC Output       24VDC is present         Battery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8):         Input       Ustage       24VDC from eFlow104NB and 12VDC from VR6         Input       Voitage       12 or 24VDC individually selectable         Uotyputs       12 or 24VDC individually selectable         Voitage       12 or 24VDC individually selectable         Eight (8) selectable 12VDC - 24VDC individually selectable       50.125 x 7.06" (917.5mm x 768.1mm x 179.3mm)         Shipping:       40.75 x 35.25 x 7.12" (1035.1mm x 895.4mm x 304.8mm)         Weight (approx.)       Product       85.6 lb. (38.38 kg)         Shipping:       0.40.75 x 35.25 x 12" (1035.1mm x 895.4mm x 304.8mm)         Weight (approx.):       Product 85.6 lb. (38.38 kg)         Shipping:       0.70 to 49°C (32°F to 120°F)         Shipping:				
Supervision       AC Failure       Form "C" contacts         Battery       Form "C" contacts         Low DC Power Shutdown       Individual outputs are selectable         Shuts down DC output terminals if battery voltage drops below       70-75% for 24V units (depending on the power supply).         Prevents deep battery discharge       Outputs         Indicators (LED)       AC Input       120VAC is present         DC Output       24VDC is present       DC         Battery       Discharged or not connected       Tow (2) Dual Input Access Power Controllers (ACMS8):         Input       120VAC is present       CE       European Conformity         Nottage       24VDC from eFlow104NB and 12VDC from VR6       Flease refer to the corresponding Sub-Assembly Installation Guides for further information         Voltage       12 or 24VDC individually selectable       Dimensions (H × W × D)         Eight (8) selectable 12VDC - 24VDC individually selectable       Dimensions (H × W × D)         Outputs       a Fail-Safe and/or Fail-Secure power outputs       a Sa12" × 30.125" × 7.06" (917.5mm x 768.1mm x 179.3mm)         Shipping       98.8 lb. (44.8 kg)       Temperature         Outputs       a Ya2V       Freduct Base 4 (10 Approx.)         Product       85.6 lb. (38.83 kg)       Shipping         Shipping       98.8 lb. (44.8 kg) </td <td></td> <td></td> <td></td> <td></td>				
Ác Failure       Form "C" contacts         Battery       Form "C" contacts         Low DC Power Shuttdown         Shuts down DC output terminals if battery voltage drops below         70-75% for 24V units (depending on the power supply).         Prevents deep battery         Discharged or not connected         Battery         Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8):         Input         Voltage       24VDC from eFlow104NB and 12VDC from VR6         Input Voltage       12 or 24VDC individually selectable         Eight (8) selectable 12VDC - 24VDC individually selectable         Eight (8) selectable 12VDC - 24VDC individually selectable         tolown power outputs         o availiary power outputs (Inswritched)         of Avr of the eight (8) fuse protected power outputs are selectable         tolown power suppli 1 or input 2         Individual outputs may be set to OFF position for servicing         Output Fuses       3A/32V         Individual outputs may be set to OFF position for servicing         Outputs       240 C from eFlow104NB and 12VDC from VR6         Ingli t6) Independity controlled outputs may be set to OFF position for servicing         Outputs are eight (8) independity controlled outputs may be set to OFF posistinon for servicing				
Battery       Form "C" contacts         Low DC Power Shutdown         Shuts down DC output terminals if battery voltage drops below         70-75% for 24V units (depending on the power supply).         Prevents deep battery discharge         Indicators (LED)         AC Input       120VAC is present         DC Output       24VDC is present         Battery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8):         Input       Voltage         12 vVDC from eFlow104NB and 12VDC from VR6         Input Fuses       15A/32V         Outputs or leight (8) independently controlled outputs are selectable         c) Audiary power outputs (unswitched)         d) Form "C" Relays. 28WAC or VDC @ 2.5A Rated         c) Audiary power outputs (unswitched)         d) Any combination of the above         Any combination of the above         Any or the eight (8) fuse protected power outputs are selectable         to follow power input 1 or Input 2         Individual outputs are triggered (relays energized)         Bile LED       FACP disconnect is triggered         Individual voltage LEDs:       Green:       12VDC         Gereen:       12VDC		Form "C" contacts		
Low Dic Power Shutdown       Output terminals if battery voltage drops below         No. To 75% for 24V units (depending on the power supply).       Prevents deep battery discharge         Indicators (LED)       AC Input         AC Input       120VAC is present         DC Output       24VDC is present         Battery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8):         Input         Voltage       24VDC from eFlow104NB and 12VDC from VR6         Input Fuses       15A/32V         Outputs       Please refer to the corresponding Sub-Assemblies.         Product Safe and/or Fail-Secure power outputs         a) Fail-Secure power outputs         b) Form *C* Relays. 28VAC or VDC @ 2.5A Rated         c) Auxiliary power longut 1 or Input 2         Individual output set to OFF position for servicing         Output Fuses       3A/32V         Individual voltage LEDs         Green:       12VDC         Ava diary power longut 1 or Input 2         Individual voltage LEDs:         Green:<				
Shuts down DC output terminals if battery voltage drops below 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge       Indicators (LED)         AC Input       120VAC is present DC Output       24VDC is present         DC Output       24VDC is present         Battery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8): Input       TamkF77F16S Kit: Agency Listings         Voltage       24VDC from eFlow104NB and 12VDC from VR6 Input Fuses         Voltage       12 or 24VDC individually selectable         Eight (8) selectable 12VDC - 24VDC individually selectable         Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) independent controlled form "C" relay outputs (mswitched)         0       Any or the eight (8) fuse protected power outputs are selectable to follow power input 1 or Input 2         Indicators (LED)       Fealsy. 24VAC in for servicing         Outputs       Shipping         0       Any or the eight (8) fuse protected power outputs are selectable to follow power input 1 or Input 2         Indicators (LED)       Fealsy 24VAC         Red LEDs       Outputs are triggered (relays energized)         Blue LED       FACP disconnect is triggered Individual voltage LEDs: Green:       12VDC         Red LEDs       Outputs are triggered (relays energized)         Blue LED       FACP d				<b>3</b> A/32V
70-75% for 24V units (depending on the power supply). Prevents deep battery discharge       Eight (8) individual output LEDs         Indicators (LED)       AC input       120VAC is present         DC Output       24VDC is present       Battery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8): Input       Function (1)       Trow (2) Dual Input Access Power Controllers (ACMS8):         Input       Voltage       24VDC from eFlow104NB and 12VDC from VR6 Input Fuses       European Conformity         Voltage       12 or 24VDC individually selectable       Flight (8) indepenty controlled Form "C" relay outputs:         0       1 Fail-Safe and/or Fail-Secure power outputs       Discharged or outputs are selectable         0       Ary or the leght (8) fuse protected power outputs are selectable       Elght (8) fuse protected power outputs are selectable         0       Any or the leght (8) fuse protected power outputs are selectable       Elght (8) fuse protected power outputs are selectable         0       Any or the leght (8) fuse protected power outputs are selectable       Shipping       98.8 lb. (44.82 kg)         Individual voltage LEDs       Green:       12VDC       Shipping       98.8 lb. (44.82 kg)         Contput for and/or Fail-Secure power outputs are selectable       Shipping       98.8 lb. (44.82 kg)       Shipping         Miconators (LED)       FACP disconnect	Shuts down DC output terminals if battery voltage drops below			
Prevents deep battery discharge       Table 24/DC         Indicators (LED)       AC Input       120VAC is present         DC Output       24/DC is present         Battery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8):         Input         Voltage       24/DC from eFlow104NB and 12/DC from VR6         Input       Input Fuses         Voltage       12 or 24/DC individually selectable         Eight (8) selectable 12/DC - 24/DC individually selectable       Dimensions (H × W × D)         Physical and/or Fail-Secure power outputs       36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)         b) Form "C" Relays. 28/AC or VDC @ 2.5A Rated       0.4nv combination of the above         Any of the eight (8) fuse protected power outputs are selectable to follow power input 1 or input 2       Product       85.6 lb. (38.83 kg)         Individual outputs may be set to OFF position for servicing       Output Fuses       3A/32V         Individual voltage LEDs;       Output save figgered (relays energized)       Bitu LED       FACP disconnet is triggered         Bue LED       FACP disconnet is triggered       FACP disconnet is triggered       Elease       Elease         Green:       12/V/C       289 BTU/Hr.       Elease       Elease Ber or tore Core				
Indicators (LED)         AC Input       120VAC is present         Battery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8):       Input         Input       Voltage       24VDC from eFlow104NB and 12VDC from VR6         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" relays. 28VAC or VDC @ 2.5A Rated       Dimensions (H × W x D)         b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated       36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)         b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated       36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)         c) Auxiliary power outputs (inswitched)       0, Any combination of the above         Any or 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         Indicators (LED)       FACP disconnect is triggered (relays energized)         Blue LED       FACP d				
AC Input       120VAC is present         DC Output       24VDC is present         Battery       Discharged or not connected         Two (2) Dual Input Access Power Controllers (ACMS8):       Hase refer to the corresponding Sub-Assembly Installation Guides for further information         Voltage       24VDC individually selectable       Floate 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 independently controlled outputs or eight (8) indepently controlled form "C" relay outputs: <ul> <li>a) Fail-Safe and/or Fail-Secure power outputs</li> <li>b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated</li> <li>c) Auxiliary power outputs (unswitched)</li> <li>d) Any combination of the above</li> <li>Any of the eight (8) fuse protected power outputs are selectable</li> <li>to follow power Input 1 or Input 2</li> <li>Individual outputs may be set to OFF position for servicing</li> <li>Output Fuses</li> <li>3A/32V</li> </ul> Temperature         Operating       Ovec to 49°C (32°F to 120°F)         Relative Humidity       85% 4-/-5%         Blue LED       FACP disconnect is triggered (relays energized)         Blue LED       FACP disconnect is triggered (relays energized)         Blue LED <li>FACP disconnect is triggered (relays</li>	Indicators (LED)		Red:	24VDC
DC Output Battery       24VDC is present Discharged or not connected       Agency Listings         Two (2) Dual Input Access Power Controllers (ACMS8):       Agency Listings         Input Voltage       24VDC from eFlow104NB and 12VDC from VR6 Input Fuses       Eight (8) solectable 12VDC - 24VDC individually selectable Eight (8) selectable 12VDC - 24VDC individually selectable outputs or eight (8) independity controlled form "C" relay outputs       Physical and Environmental: Dimensions (H × W × D)         Notitage       12 or 24VDC individually selectable Eight (8) selectable 12VDC - 24VDC individually selectable outputs or eight (8) independity controlled form "C" relay outputs: a) Fail-Safe and/or Fail-Secure power outputs       Dimensions (H × W × D)         b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated o) 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       Weight (approx.) Poduct       85.6 lb. (38.83 kg) Shipping       98.8 lb. (44.82 kg)         Temperature Operating       O'C to 49°C (32°F to 120°F) Storage       -20°C to 70°C (-4°F to 158°F) Relative Humidity       85% +/-5% BTU/Hr. (approx.):       289 BTU/Hr.		120VAC is present	TOMUZZEACO KH	
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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Voltage24VDC from eFlow104NB and 12VDC from VR6further informationInput Fuses15A/32VOutputsPhysical and Environmental:Voltage12 or 24VDC individually selectableEight (8) selectable 12VDC - 24VDC independently controlledend/or Fail-Secure power outputs:a) Fail-Safe and/or Fail-Secure power outputss6.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)b) Form "C" Relays. 28VAC or VDC @ 2.5A Ratedend/or Fail-Secure power outputs (unswitched)c) Auxiliary power outputs (unswitched)d) Any combination of the aboveAny of the eight (8) fuse protected power outputs may be set to OFF position for servicingOutput FusesOutput Fuses3A/32VIndicators (LED)FACP disconnect is triggered (relays energized)Blue LEDFACP disconnect is triggered	Input			
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Voltage12 or 24VDC individually selectableEight (8) selectable 12VDC - 24VDC independently controlled36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)outputs or eight (8) indepently controlled Form "C" relay outputs:a) Fail-Safe and/or Fail-Secure power outputsb) Form "C" Relays. 28VAC or VDC @ 2.5A Rated40.75" x 35.25" x 12" (1035.1mm x 895.4mm x 304.8mm)c) Auxiliary power outputs (unswitched)b) Form "C" Relays. 28VAC or VDC @ 2.5A RatedProductc) Auxiliary power outputs (unswitched)b) Form "C" Relays. 28VAC or VDC @ 2.5A RatedProductd) Any combination of the above85.6 lb. (38.83 kg)ShippingAny of the eight (8) fuse protected power outputs are selectable98.8 lb. (44.82 kg)TemperatureOutput Fuses3A/32VOutput Fuses-20°C to 70°C (-4°F to 120°F)Ned LEDsOutputs are triggered (relays energized)Storage-20°C to 70°C (-4°F to 158°F)Red LEDsOutputs are triggered (relays energized)Blue LEDFACP disconnect is triggeredIndividual voltage LEDs:Green:12VDC	Input Fuses	15A/32V		
Voltage12 or 24VDC individually selectableEight (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 above36.12" x 30.125" x 7.06" (917.5mm x 768.1mm x 179.3mm)Any of the eight (8) fuse protected power outputs are selectable to follow power lnput 1 or lnput 2 Individual outputs may be set to OFF position for servicing Output Fuses85.6 lb. (38.83 kg) ShippingOutput Fuses Blue LED3A/32VIndividual voltage LEDs: Green:0utputs are triggered (relays energized) Blue LEDIndividual voltage LEDs: Green:12VDC	Outputs			W x D)
Eight (8) selectable 12VDC - 24VDC independently controlled outputs or eight (8) indepently controlled Form "C" relay outputs: 		12 or 24VDC individually selectable		
<ul> <li>a) Fail-Safe and/or Fail-Secure power outputs</li> <li>b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated</li> <li>c) Auxiliary power outputs (unswitched)</li> <li>d) Any combination of the above</li> <li>Any of the eight (8) fuse protected power outputs are selectable</li> <li>to follow power Input 1 or Input 2</li> <li>Individual outputs may be set to OFF position for servicing</li> <li>Output Fuses 3A/32V</li> <li>Indicators (LED)</li> <li>Red LEDs Outputs are triggered (relays energized)</li> <li>Blue LED FACP disconnect is triggered</li> <li>Individual voltage LEDs:</li> <li>Green: 12VDC</li> <li>Auxiliary bound to the above outputs are selectable</li> <li>Auxiliary power outputs are triggered (relays energized)</li> <li>Blue LED FACP disconnect is triggered</li> <li>Individual voltage LEDs:</li> <li>Green: 12VDC</li> </ul>	Eight (8) selectable 12VDC - 24VDC independently controlled			
<ul> <li>b) Form "C" Relays. 28VAC or VDC @ 2.5A Rated</li> <li>c) Auxiliary power outputs (unswitched)</li> <li>d) Any combination of the above</li> <li>Any of the eight (8) fuse protected power outputs are selectable</li> <li>to follow power Input 1 or Input 2</li> <li>Individual outputs may be set to OFF position for servicing</li> <li>Output Fuses 3A/32V</li> <li>Indicators (LED)</li> <li>Red LEDs Outputs are triggered (relays energized)</li> <li>Blue LED FACP disconnect is triggered</li> <li>Individual voltage LEDs:</li> <li>Green: 12VDC</li> <li>Weight (approx.)</li> <li>Product 85.6 lb. (38.83 kg)</li> <li>Shipping 98.8 lb. (44.82 kg)</li> <li>Temperature</li> <li>Operating 0°C to 49°C (32°F to 120°F)</li> <li>Storage -20°C to 70°C (-4°F to 158°F)</li> <li>Relative Humidity 85% +/-5%</li> <li>BTU/Hr. (approx.): 289 BTU/Hr.</li> </ul>	outputs or eight (8) indepently controlled Form "C" relay outputs:			
<ul> <li>c) Auxiliary power outputs (unswitched)</li> <li>d) Any combination of the above</li> <li>Any of the eight (8) fuse protected power outputs are selectable</li> <li>to follow power Input 1 or Input 2</li> <li>Individual outputs may be set to OFF position for servicing</li> <li>Output Fuses 3A/32V</li> <li>Indicators (LED)</li> <li>Red LEDs Outputs are triggered (relays energized)</li> <li>Blue LED FACP disconnect is triggered</li> <li>Individual voltage LEDs:</li> <li>Green: 12VDC</li> <li>Product 85.6 lb. (38.83 kg)</li> <li>Shipping 98.8 lb. (44.82 kg)</li> <li>Temperature</li> <li>Operating 0°C to 49°C (32°F to 120°F)</li> <li>Storage -20°C to 70°C (-4°F to 158°F)</li> <li>Relative Humidity 85% +/-5%</li> <li>BTU/Hr. (approx.): 289 BTU/Hr.</li> </ul>				" x 12" (1035.1mm x 895.4mm x 304.8mm)
c) Advalative power outputs (iniswitched)         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         Indicators (LED)         Red LEDs       Outputs are triggered (relays energized)         Blue LED       FACP disconnect is triggered         Individual voltage LEDs:         Green:       12VDC				
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 Indicators (LED) Red LEDs Outputs are triggered (relays energized) Blue LED FACP disconnect is triggered Individual voltage LEDs: Green: 12VDC				
Any of the eight (b) fast 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         Indicators (LED)         Red LEDs       Outputs are triggered (relays energized)         Blue LED       FACP disconnect is triggered         Individual voltage LEDs:         Green:       12VDC				98.8 ID. (44.82 Kg)
Individual outputs may be set to OFF position for servicing       Storage       -20°C to 70°C (-4°F to 158°F)         Output Fuses       3A/32V         Indicators (LED)       Red LEDs       Outputs are triggered (relays energized)         Blue LED       FACP disconnect is triggered         Individual voltage LEDs:       Green:       12VDC				NºC to 10°C (22°E to 120°E)
Output Fuses       3A/32V         Indicators (LED)         Red LEDs       Outputs are triggered (relays energized)         Blue LED       FACP disconnect is triggered         Individual voltage LEDs:       Green:         12VDC       12VDC				
Indicators (LED)     BTU/Hr. (approx.): 289 BTU/Hr.       Red LEDs     Outputs are triggered (relays energized)       Blue LED     FACP disconnect is triggered       Individual voltage LEDs:     Green:       12VDC     12VDC		,		
Red LEDs       Outputs are triggered (relays energized)         Blue LED       FACP disconnect is triggered         Individual voltage LEDs:       Green:         12VDC		3A/32V	BTU/Hr (approx)	• 289 RTI I/Hr
Blue LED FACP disconnect is triggered Individual voltage LEDs: Green: 12VDC				<b>.</b> 200 bronn.
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

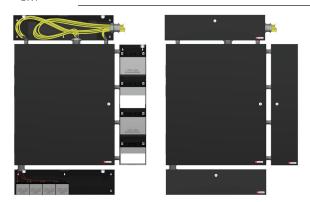


#### MM4, MM8, MM12, MM24 - Magnetic Mounting Solution

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

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#### 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)

