

T2M5CK1ADQV (Pre-wired Kit)

Access and Power Integration Solution for Mercury



Altronix T2M5CK1ADQV is a 8-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Mercury* hardware. This unit provides ample power and dual voltage outputs to support Mercury platform controllers and locking devices. The T2M5CK1ADQV accommodates one (1) Intelligent Dual Reader Controller and three (3) Dual Reader Interface Modules. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.

***Also compatible with these authentic Mercury partners:**

AccessNsite, Avigilon, BadgePass, BluBox, Feenics, Genetec, Identocard, 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



T2M5CK1ADQV - includes eFlow102NBV, LINQ8ACM8CB, PDS16CB, wire harnesses and management

Mercury boards are not included



Key Features

- Accommodates the following Mercury controllers:
 - 1 - LP1502 / LP4502 and 3 - MR52
- Convenient knockout configuration:
 - One (1) single knockout - 2" Conduit
 - Sixteen (16) double knockouts - 1/2" Conduit and 3/4" Conduit
- Unit includes:
 - Removable backplane
 - Wire management
 - Custom wire assemblies for power distribution with terminal blocks for controller connections
- Supervision
 - AC Fail
 - Battery Fail and Battery Presence
 - Low power shutdown
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- CE European Conformity
- Lifetime Warranty*

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

Specifications

Power Supply (eFlow102NBV):

Input

Voltage 220VAC (working range 198VAC - 256VAC),
50/60Hz, 2.1A

Input Fuse 5A/250V

Output

Voltage 12VDC @ 10A

Auxiliary 1A (unswitched)

Protection Overvoltage protection. Filtered and regulated

Battery Charging

Capacity 12VDC/12AH (4 within enclosure)
40AH/65AH (requires separate enclosure)

Type Sealed lead acid or gel type

Failover Upon AC loss, instantaneous

Batteries are sold separately

Fire Alarm Disconnect

Supervised Latching or non-latching

EOL 10K Resistor

Supervision

AC Failure Form "C" contacts

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 220VAC is present

DC Output 12VDC is present

Battery Discharged or not connected

Dual Input Power Distribution Module (PDS16CB):

Input

Voltage 12VDC from eFlow102NBV

Input PTCs 9A

Outputs

Voltage 12VDC

Any of the sixteen (16) power outputs are selectable
to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output PTCs 2.5A

Indicators (LED)

DC Output Eight (8) individual output LEDs

Green: 12VDC

Red: 24VDC

Network Access Power Controller (LINQ8ACMCB):

Input

Voltage 12VDC from eFlow102NBV

Input PTCs 9A

Outputs

PTC protected outputs

Any of the eight (8) PTC protected power outputs are selectable
to follow power Input 1 or Input 2

Individual outputs may be set to OFF position for servicing

Output PTCs: 2.5A

Programming Features:

Eight (8) Programmable Outputs:

- Fail-safe, fail-secure or auxiliary outputs
- Input controlled or manually controlled through software
- High (over) and low (under) voltage and current monitoring by output
- Multiple outputs may be programmed to be triggered by a single input
- Battery back-up by output

Eight (8) Programmable Trigger Inputs:

- Normally open (NO), Normally closed (NC) or Open collector sink inputs
- Wet Input (5VDC - 24VDC) with 10k resistor
- Any combination of the above

Other Programmable Trigger Inputs:

- Monitor power supply(ies) input for voltage and current limits (high/low)
- Input and output current calibration, Programmable timer events
- Programmable user levels, Enable or disable alerts by type
- Programmable alert reporting delay

Indicators (LED)

Green AC LED: indicates AC trouble condition

Green BAT LED: indicates battery trouble condition

Green FACP LED: indicates FACP disconnect is triggered

Flashing Blue Heartbeat LED: indicates network connection

Individual OUT1 - OUT8 Red LEDs: indicate outputs are triggered

Individual Voltage LEDs: indicate 12VDC (Green) or 24VDC (Red)

T2M5CK1ADQV Kit:

Agency Listings

CE European Conformity

Physical and Environmental:

Dimensions (H x W x D)

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

Shipping: 32.5" x 26.5" x 11.125" (825.5mm x 673.1mm x 282.6mm)

Weight (approx.)

Product: 41.6 lb. (18.87 kg)

Shipping: 45.6 lb. (20.68 kg)

Temperature

Operating 0°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.):

64 BTU/Hr.

Accessories (order separately)



WM5

WM5, WM25, WM100 - Magnetic Cable Tie Mounts

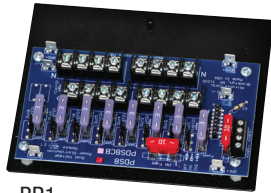
Altronix WM5, WM25, and WM100 are packs of 5, 25 or 100 magnetic cable tie mounts respectively. They accommodate standard zip ties or velcro straps. These are ideal for wire management in our Trove series.



Mounting Magnet

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

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
with
batteries

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.



Trove2BWC
with
wires

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)

