Altronix®

T2MKTT8SD (Kit)

Access and Power Integration Solution for Mercury

TROVE™

Altronix T2MKTT8SD is a 8-door access and power integration kit which includes two (2) Altronix PoE-driven power supply/chargers, eight (8) PTC protected output dual voltage access control module and eight (8) PTC protected output dual voltage power distribution module. This kit also accommodates various combinations of Mercury* boards for up to eight (8) 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

Mercury™

T2MKTT8SD

Mercury boards are not included

Key Features

- Two (2) 12VDC or 24VDC PoE-driven power supply/chargers
- Accommodates the following Mercury controllers:
  LP1501, LP1502, LP2500, LP4502, MR16IN, MR16OUT, MR50, MR52, MR62e, MUX8
- Convenient knockout configuration:
  - One (1) single knockout - 2" Conduit
  - Sixteen (16) double knockouts - 1/2" Conduit and 3/4" Conduit
- Supervision
  - PoE Loss
  - Low Battery and Battery Presence

- 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
    - cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
  - CE European Conformity
- Enclosure accommodates batteries
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Lifetime Warranty*

*Altronix Power Supply/Chargers and Sub-Assemblies only

Specifications

Two (2) PoE Driven Power Supply/Chargers (Tango1B):

Ethernet Input
802.3bt PoE up to 90W (or 802.3at up to 30W or 802.3af up to 15W)

Power Output (when using 802.3bt 90W)
12VDC up to 5.4A (65W) and/or 24VDC up to 2.7A (65W)
Combined output not to exceed 65W
When charging batteries:
12VDC up to 4.6A (55W) and/or 24VDC up to 2.3A (55W)
Combined output not to exceed 55W

Ethernet Output
Pass-through Ethernet Port (data only)

Battery Charging Circuit
Automatically adjusts between Lead Acid and
Lithium Iron Phosphate (LiFePO$_4$) batteries
Unique technology allows for single battery to backup
12VDC and/or 24VDC systems

Supervision
Loss of PoE Input
Battery Supervision

Indicators (LED)

Input	Indicates input voltage is present
Output	Indicates normal operating condition
PoE Type	PoE Class Indicator
Supervision	PoE Fail or BAT Fail

Dual Input Power Distribution Module (PDS8CB):

Input

Voltage	12 and 24VDC from Tango1B
Input PTCs	9A

Outputs

Voltage	12VDC and/or 24VDC

Any of the eight (8) 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

Dual Input Access Power Controller (ACMS8CB):

Input

Voltage	12 and 24VDC from Tango1B
Input PTCs	9A

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) 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

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Blue LED	FACP disconnect is triggered

Individual voltage LEDs:

Green:	12VDC
Red:	24VDC

T2MKTT8SD Kit:

Agency Listings

CE	European Conformity

All components of this Trove kit are UL Listed sub-assemblies
Please refer to the corresponding Sub-Assembly Installation Guides
for further information

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

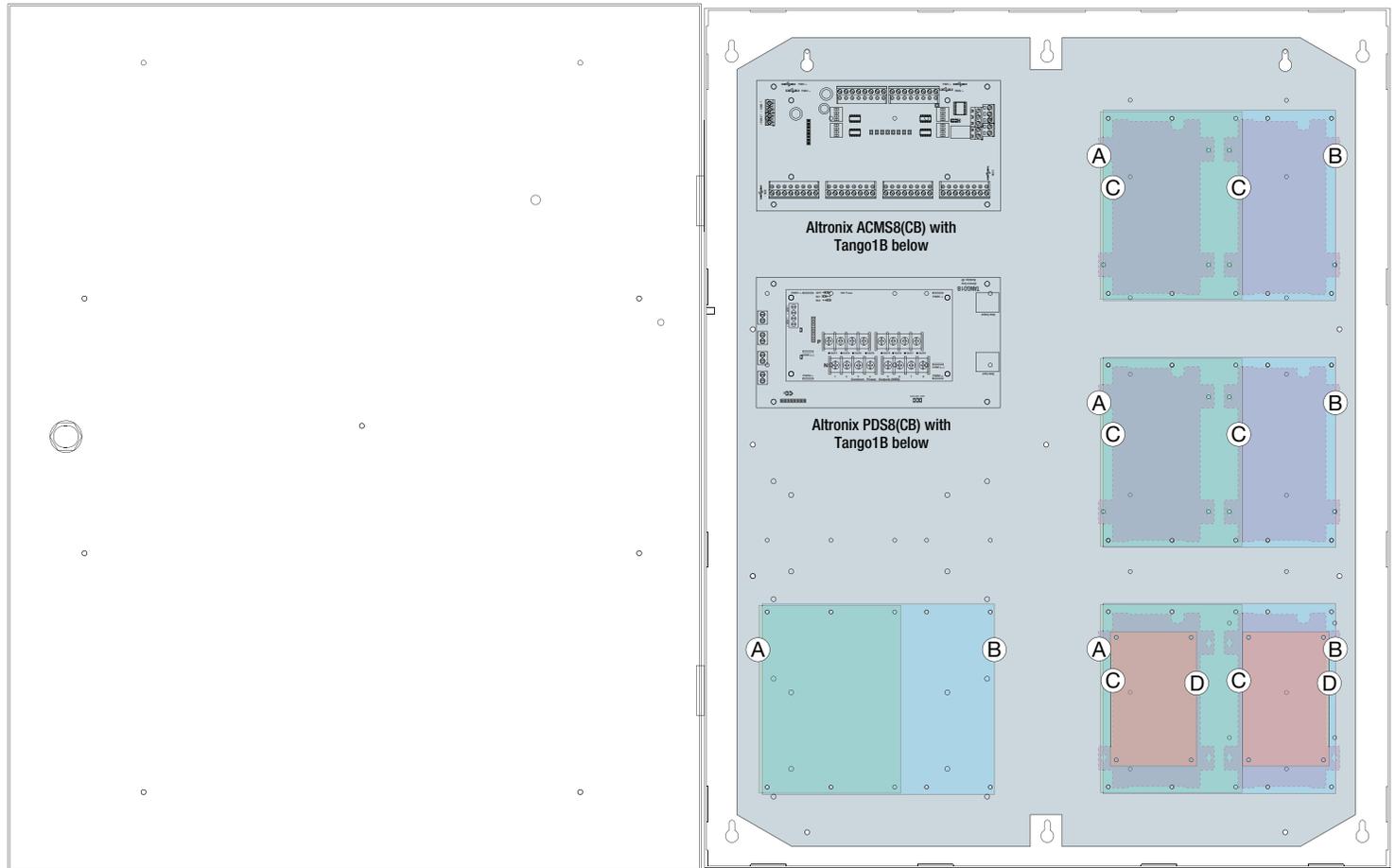|	
Operating	0ºC to 49ºC (32ºF to 120ºF)
Storage	− 20ºC to 70ºC (− 4ºF to 158ºF)
Relative Humidity	85% +/− 5%
BTU/Hr. (approx.):	120 BTU/Hr.

Access Controller Position Chart for the Following Models:

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

Altronix ACMS8(CB) with
Tango1B below

Altronix PDS8(CB) with
Tango1B below

Accessories (order separately)

NetWay1BT – 802.3bt (4PPoE) Midspan/Injector
- Single port midspan/injector delivers up to 90W max

NetWay4BT – 802.3bt Midspan/Injector
- 4-Port midspan/injector delivers up to 90W per por (480W max)

NetWay8BT – 802.3bt Midspan/Injector
- 8-Port midspan/injector delivers up to 90W per por (480W max)

NetWay8BT

NetWay®

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.

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 - 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.

BR1

Trove2BWC with batteries

Trove2BWC with wires

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)