Altronix®

Trove3KA3 (Enclosure & Backplane) / TKA3 (Backplane)
Access & Power Integration Solution for Keyscan

TROVE™

Altronix Trove™ enclosures and backplanes let you easily integrate Altronix power with Keyscan access controllers and accessories. Trove simplifies board layout and wire management, reduces installation time and labor costs.

KEYSCAN
ACCESS CONTROL SYSTEMS

Trove3KA3

Boards are not included

Trove3KA3 (Trove3 Enclosure + TKA3 Backplane) TKA3 (Backplane) Features

- Accommodates the following Keyscan controllers with or without Altronix power/accessories:
  - Keyscan - up to two (2) CA250B, CA4500B or CA8500B, up to four (4) OCB8, and up to two (2) of each DPS15 and CIM
- Altronix Power Supplies and Sub-Assemblies
- Includes Altronix Trove3 enclosure and one (1) removable TKA3 backplane

Features
- Simplifies board layout and wire management
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Two (2) double knockouts
    1.948" (1.5" Conduit) / 1.701" (1.25" Conduit)
  - Thirteen (13) double knockouts
    1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Accommodates up to four (4) 12VDC/12AH batteries
- 16 AWG powder coated steel
- Includes cam lock, tamper switch and mounting hardware

Agency Listings
UL: UL294 - Access Control System
cUL: CAN/ULC - s319-05 - Electronic Access Control Systems
CE European Conformity

Physical and Environmental
Trove3KA3 - Dimensions (H x W x D):
Enclosure:
  36.12" x 30.12" x 7.06" (918mm x 768mm x 179mm)
Shipping:
  40.75" x 35.25" x 12.0" (1,035mm x 896mm x 305mm)

Trove3KA3 - Weights (approx.):
Product: 80.0 lb. (36.29 kg)
Shipping: 92.0 lb. (41.73 kg)

TKA3 - Dimensions (H x W x D):
Backplane:
  34.0" x 28.0" x 0.3125" (864mm x 711mm x 8mm)
Shipping:
  36.0" x 30.0" x 1.25" (915mm x 762mm x 32mm)

TKA3 - Weights (approx.):
Product: 20.0 lb. (9.1 kg)
Shipping: 25.0 lb. (11.74 kg)

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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

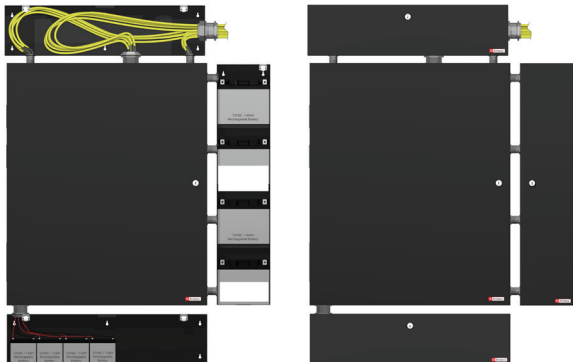### MM4, MM8, MM12, MM24 - Magnetic Mounting Solution
Altronix mounting magnets accommodate screws and nylon standoffs to allow for mounting various boards/
accessories in any metal enclosure or backplane.

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
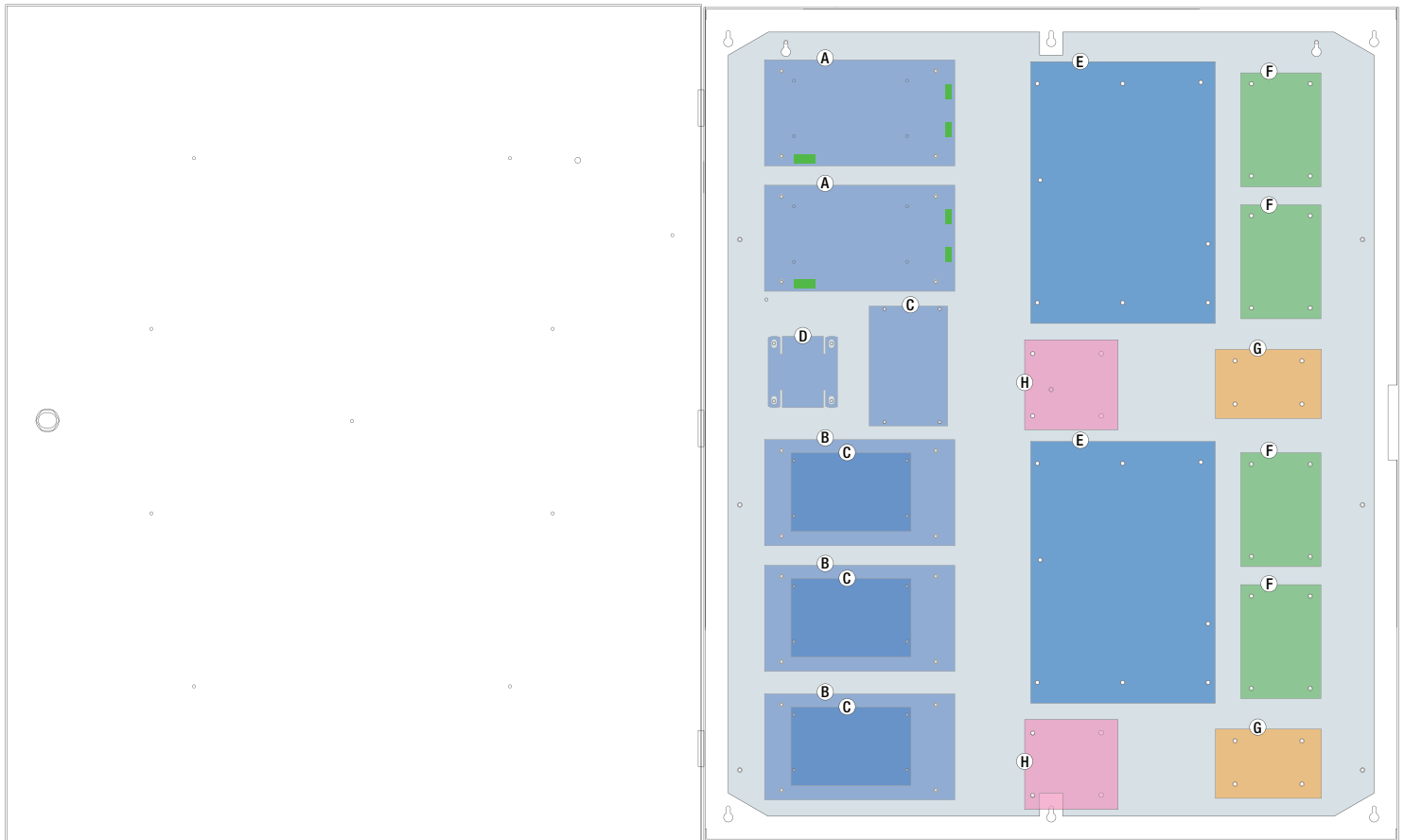the enclosure's inside wall, saving valuable space.

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)

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TR□VE™

Access Controller Position Chart for the Following Models:

Altronix / Keyscan	Pem Mounting
AL400ULXB2, AL400ULXB2V, AL600ULXB, AL600XB220, AL1012ULXB, AL1012XB220, AL1024ULXB2, AL1024XB2V, eFlow4NB, eFlow4NBV, eFlow6NB, eFlow6NBV, eFlow102NB, eFlow102NBV, eFlow104NB, eFlow104NBV, Tango1B, ACM8, ACM8CB, ACMS8, ACMS8CB, LINQ8ACM, LINQ8ACMCB	Ⓐ
ACM8, ACM8CB, ACMS8, ACMS8CB, ACMS12, ACMS12CB, LINQ8ACM, LINQ8ACMCB	Ⓑ
ACM4, ACM4CB, LINQ8PD, LINQ8PDCB, MOM5, PD4UL, PD4ULCB, PD8UL, PD8ULCB, PDS8, PDS8CB, PDS16, PDS16CB, VR6	Ⓒ
T161715	Ⓓ
CA250B, CA4500B, CA8500B	Ⓔ
OCB8	Ⓕ
CIM (NETCOM2P can be stacked above)	Ⓖ
DPS-15	Ⓗ

Dimensions and Drawing

Dimensions (H x W x D approximate)
36.12" x 30.12" x 7.06" (917.5mm x 768.1mm x 179.3mm)

Top view:
2.00" (50.8mm) — 7.12" (222.3mm) — 9.5" (241.3mm) — 9.5" (241.3mm)
1.25" (31.8mm) — 1.78" (45.2mm) — 1.55" (39.4mm)
1" Conduit / 3/4" Conduit
1.25" Conduit / 1.5" Conduit
2" Conduit
1.5" Conduit / 1.25" Conduit

Left side view:
2.00" (50.8mm)
1.25" (31.8mm)
1" Conduit
3/4" Conduit
10.75" (273.1mm)
10.62" (269.8mm)
10.75" (273.1mm)
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Main view:
1.07" (27.2mm)
30.12" (768.1mm)
14.01" (355.9mm) — 14.01" (355.9mm)
1.10" (27.9mm)
33.63" (854.2mm)

Right side view:
2" (50.8mm)
1" Conduit
3/4" Conduit
10.75" (273.1mm)
10.62" (269.8mm)
10.75" (273.1mm)
36.12" (917.5mm)
1.25" (31.8mm)
7.06" (179.3mm)

Bottom view:
3/4" Conduit
1" Conduit
1.25" (31.8mm)
2" (50.8mm) — 8.75" (222.3mm) — 8.62" (219mm) — 8.75" (222.3mm)