Rev. 10062025

T2BV778S (Kit)

Access and Power Integration Solution for Brivo

T2BV778S kit consists of Trove2 enclosure and TBV2 Brivo/Altronix backplane with two (2) 24VDC @ 10A power supply/chargers, two (2) 12VDC voltage regulators, eight (8) fuse protected dual input/output access control module and eight (8) fuse protected dual input/output power distribution module. This kit also accommodates various combinations of Brivo boards for up to eight (8) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

T2BV778S

Brivo boards are not included

Key Features

- 24VDC power supply/chargers
- Accommodates following Brivo boards:
  - One (1) ACS6000-MBE
  - Five (5) ACS6100-DB or ACS6100-I/O
- Convenient knockout configuration:
  - One (1) single knockout 2.415" (2" Conduit)
  - Sixteen (16) double knockouts 1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
  - AC Fail
  - Battery Fail 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
- 16 gauge galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to four (4) 12VDC/12AH batteries
- Lifetime Warranty*

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

T2BV778S (Kit)

Access and Power Integration Solution for Brivo

Specifications

Two (2) Power Supply/Chargers (AL1024ULXB2):

Input

Voltage	115VAC 60Hz, 4.2A
Input Fuse	5A/250V

Outputs

Voltage	24VDC
Current	10A @ 24VDC continuous max
Other	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

Supervision

AC Failure	Form "C" contacts
Battery	Form "C" contacts

Indicators (LED)

Input	115VAC is present
DC Output	Powered
Battery	Discharged or not connected

Dual Input Power Distribution Module (PDS8):

Input

Voltage	24VDC from AL1024ULXB2 and 12VDC from VR6
Input Fuses	10A/32V

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 Fuses	3A/32V

Indicators (LED)

DC Output	Eight (8) individual output LEDs
Green:	12VDC
Red:	24VDC

Two (2) Voltage Regulators (VR6):

Input

Voltage	24VDC from AL1024ULXB2

Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Dual Input Access Power Controller (ACMS8):

Input

Voltage	24VDC from AL1024ULXB2 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" 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

Indicators (LED)

Red LEDs	Outputs are triggered (relays energized)
Blue LED	FACP disconnect is triggered
Individual voltage LEDs:	
Green:	12VDC
Red:	24VDC

T2BV778S Kit:

Agency Listings

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

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	40.1 lb. (18.2 kg)
Shipping	43.85 lb. (19.9 kg)

Temperature

Operating	0ºC to 49ºC (32ºF to 120ºF)
Storage	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%
BTU/Hr (approx.):	246 BTU/Hr.

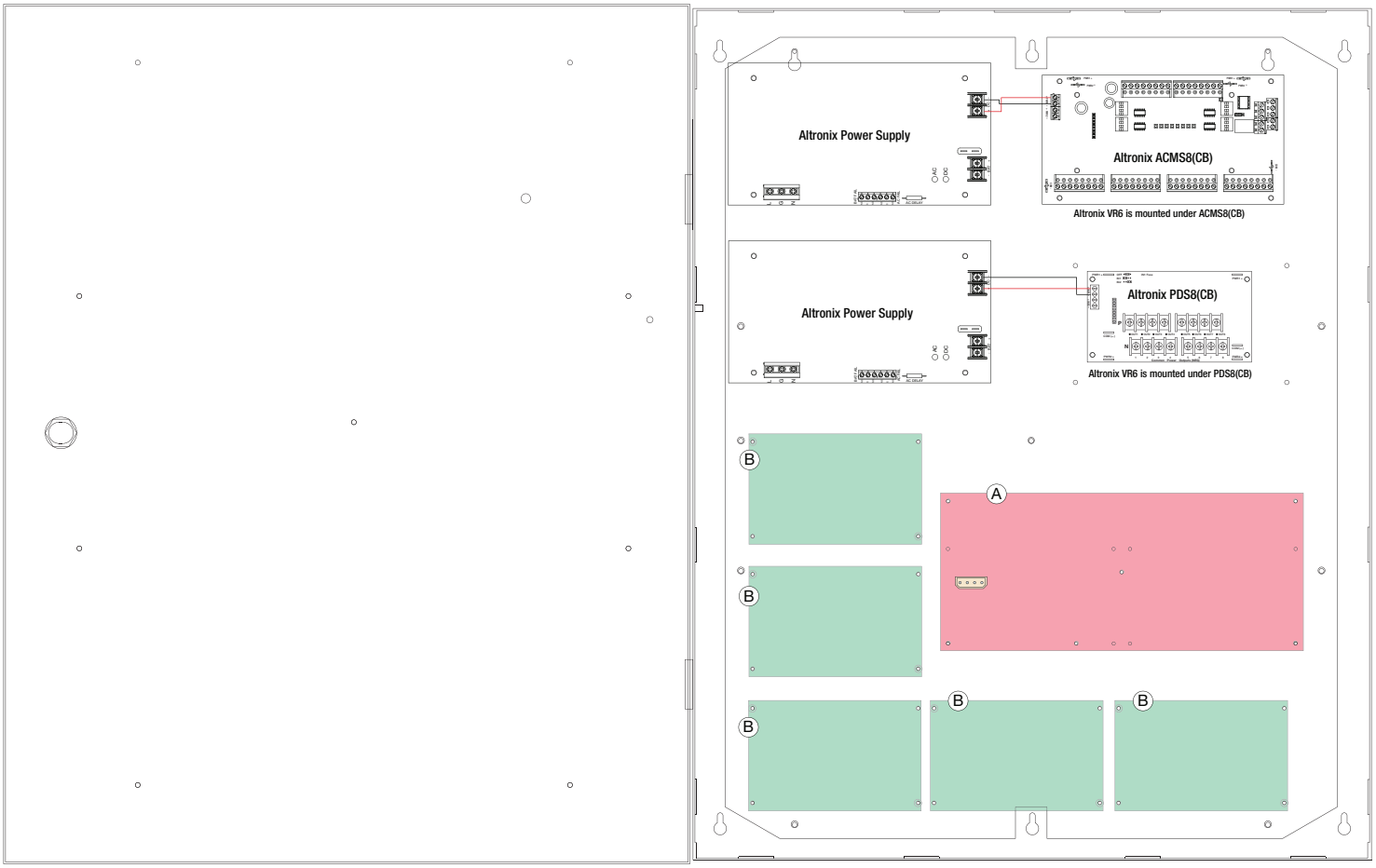
T2BV778S (Kit)

Access and Power Integration Solution for Brivo

Altronix TROVE™

Access Controller Position Chart for the Following Models:

Altronix / Brivo	Pem Mounting
ACS6000-MBE	A
ACS6100-DB, ACS6100-I/O	B



T2BV778S (Kit)

Access and Power Integration Solution for Brivo

Accessories (order separately)

WM5

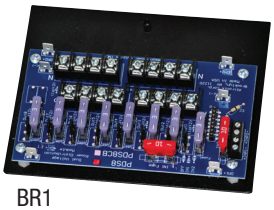
WM5, WM25, WM100 - Magnetic Cable Tie Mounts

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 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.

Brivo Inc | 7700 Old Georgetown Rd #300 | Bethesda, MD 20814 USA
phone: +1 866.692.7486 | email: customercare@brivo.com | www.brivo.com

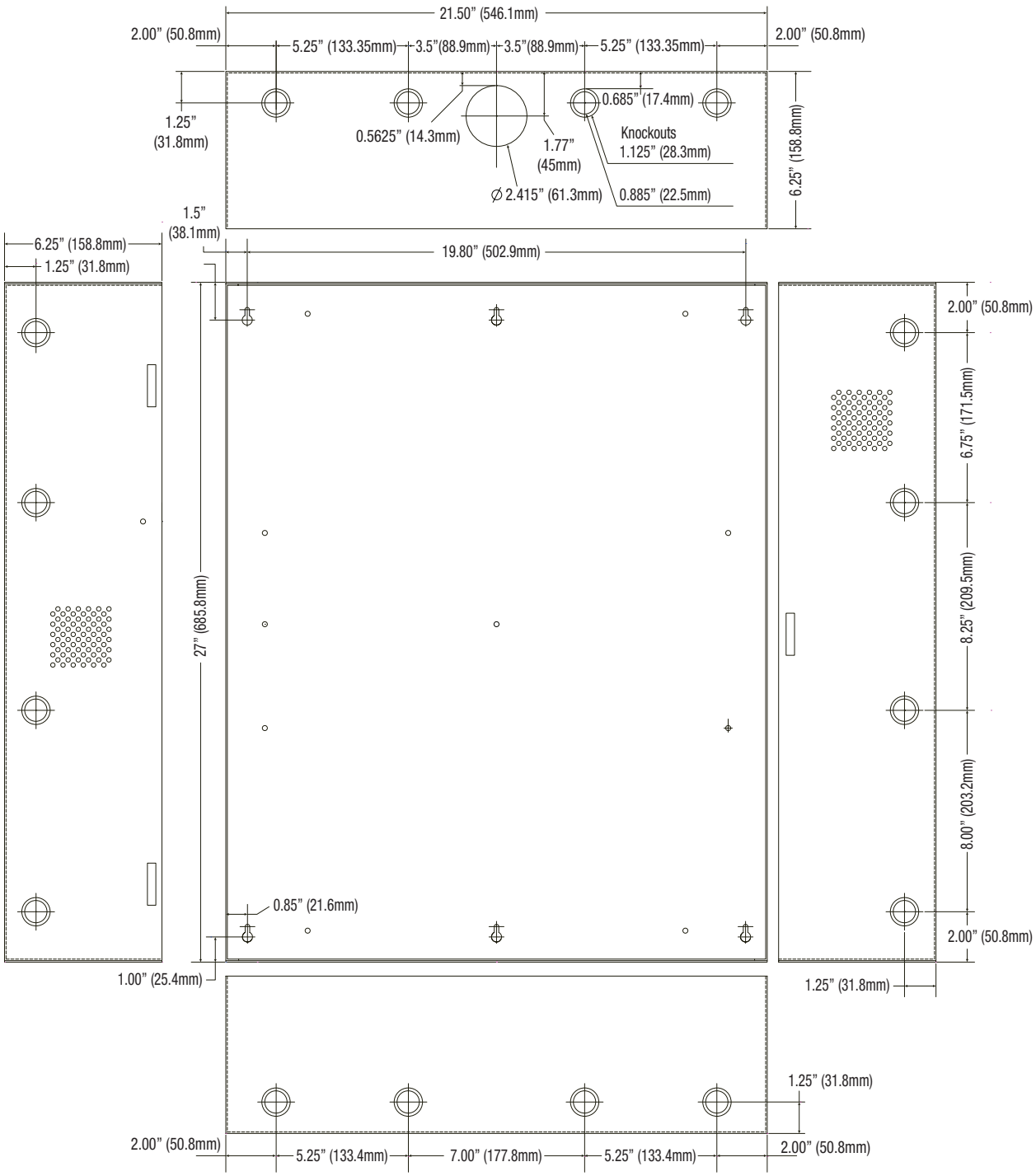
T2BV778S (Kit)

Access and Power Integration Solution for Brivo

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)



Brivo Inc | 7700 Old Georgetown Rd #300 | Bethesda, MD 20814 USA
phone: +1 866.692.7486 | email: customercare@brivo.com | www.brivo.com