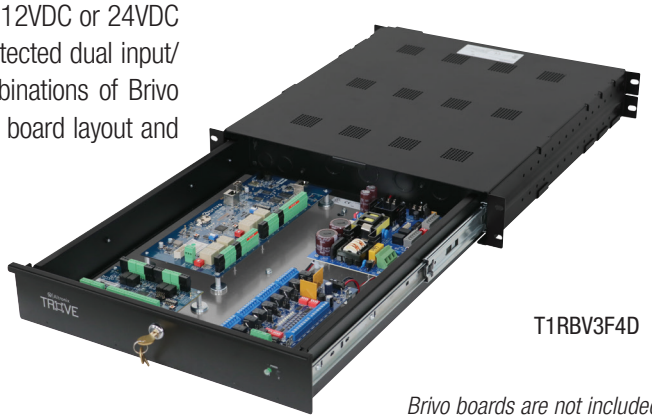
Rev. 04142023

T1RBV3F4D (Kit)

Access and Power Integration Rack Solution for Brivo

T1RBV3F4D kit consists of Trove1R enclosure and TAL1R backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger, and eight (8) PTC protected dual input/output access control module. This kit also accommodates various combinations of Brivo boards for up to four (4) doors in a single rack enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1RBV3F4D

Brivo boards are not included

Key Features

- 24VDC power supply/charger
- Accommodates following Brivo boards:
  - One (1) ACS6000-MBE or
  - One (1) ACS6100-DB or ACS6100-I/O
- Supervision
  - AC Fail
  - Low Battery and Battery Presence
  - Low power shutdown
- Convenient knockout configuration:
  - Four (4) double knockouts - 3/4" Conduit and 1" Conduit
  - Two (2) double knockouts - 1/2" Conduit and 3/4" Conduit
- 6' IEC320 3-wire power cord
- 2U drawer on extendable rails
- Black powder coated steel enclosure
- Included Z Bracket facilitates ease of wiring
- Includes cam lock, tamper switch and mounting hardware
- CE European Conformity
- Lifetime Warranty*

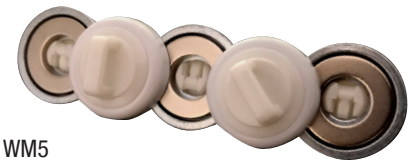
**Altronix Power Supply/Chargers and Sub-Assemblies only*

Accessories (order separately)

RE2

RE2 - Rack Mount Battery Enclosure

accommodates up to four (4) 12VDC/7AH batteries



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.

brivo

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Altronix TROVE™

Specifications

Power Supply (eFlow6RLB):

Input

Voltage	120VAC, 60Hz
Input Fuse	5A/250V

Output

Voltage	24VDC
Current	6A continuous
Other	Overvoltage protection. Filtered and regulated

Battery Charging

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

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)

Input	120VAC is present
DC Output	Powered
Battery	Discharged or not connected

Voltage Regulator (VR6):

Input

Voltage	24VDC from eFlow6RLB

Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

Indicators (LED)

Input	24VDC is present
Output	Powered

Dual Input Access Power Controller (ACMS8CB):

Input

Voltage	24VDC from eFlow6RLB and 12VDC from VR6
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

T1RBV3F4D Kit:

Agency Listings

CE	European Conformity

Physical and Environmental:

Dimensions (H x W x D):

Modular 2U standard EIA 19" rack mount chassis
Enclosure: 3.25" x 19.0" x 26.5" (82.6mm x 482.6mm x 673.1mm)
Shipping: 31" x 23" x 8.25" (787.4mm x 584.2mm x 209.6mm)

Weights (approx.):

Product:	20 lb. (9.07 kg)
Shipping:	25 lb. (11.34 kg)

Temperature

Operating:	0ºC to 49ºC (32ºF to 120ºF)
Storage:	– 20ºC to 70ºC (– 4ºF to 158ºF)
Relative Humidity	85% +/– 5%
BTU/Hr.:	87 BTU/Hr.

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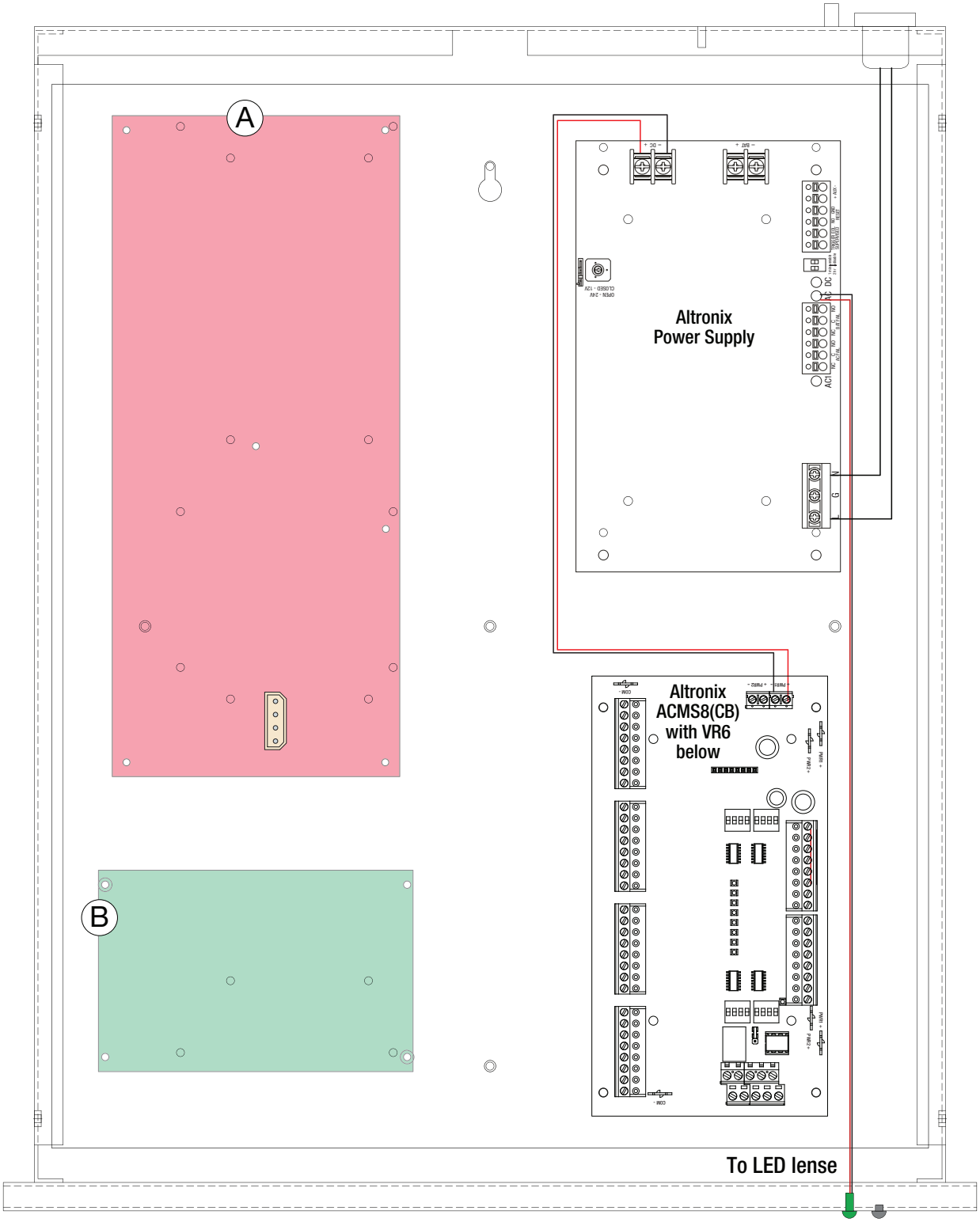
Access Controller Position Chart for Brivo:



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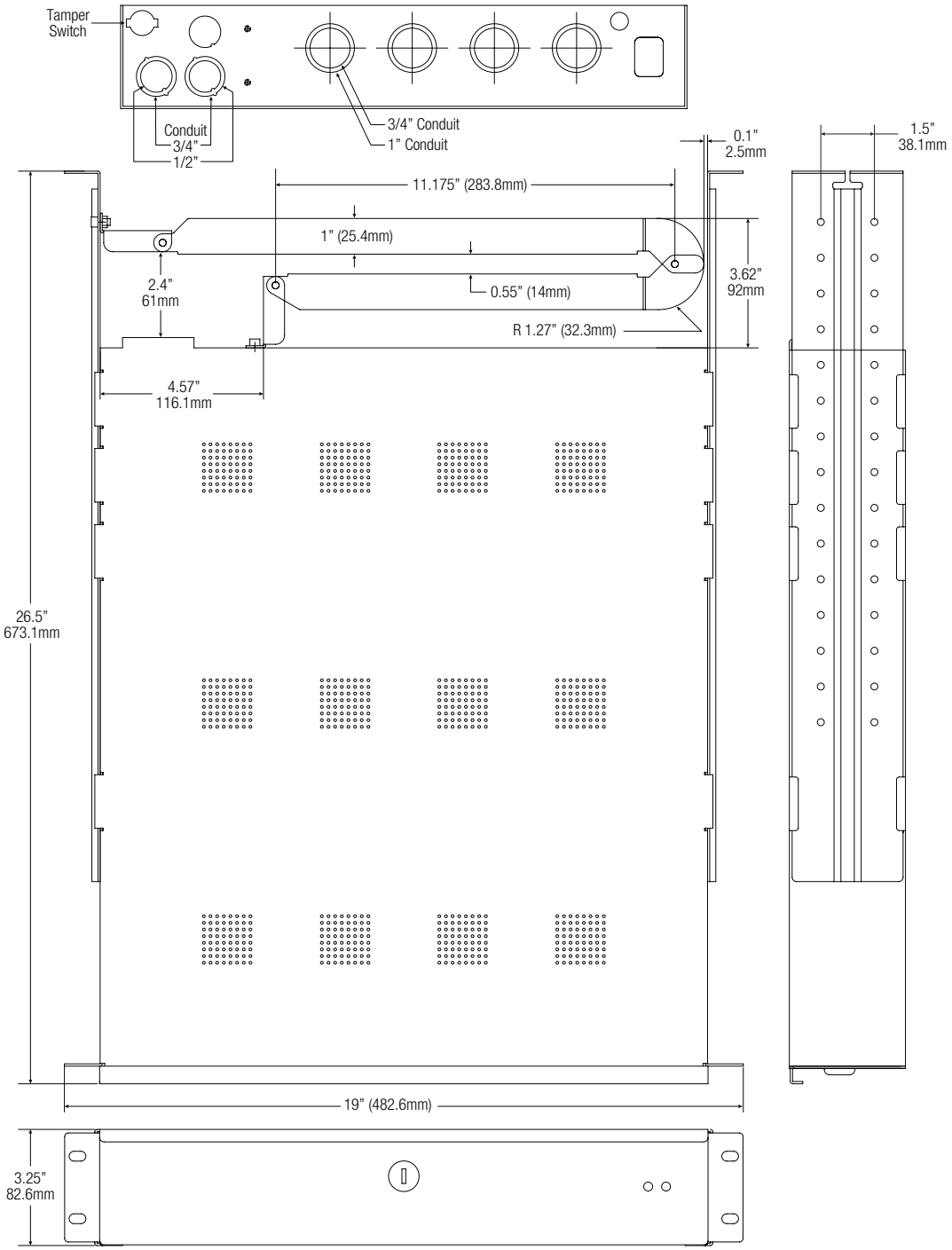
Access and Power Integration Rack Solution for Brivo

Dimensions and Drawing

Dimensions (H x W x D approximate)

3.25” x 19.0” x 26.5” (82.6mm x 482.6mm x 673.1mm)



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