

## T2BV75F12SD (Kit)

Access and Power Integration Solution for Brivo



T2BV75F12SD kit consists of Trove2 enclosure and TBV2 Brivo/Altronix backplane with one (1) 24VDC @ 10A, one (1) 12VDC @ 10A power supply/chargers, one (1) twelve (12) PTC protected dual input/output access control module and one (1) sixteen (16) PTC protected dual input/output power distribution module. This kit also accommodates various combinations of Brivo boards for up to twelve (12) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T2BV75F12SD

*Brivo boards are not included*

### Key Features

- 12VDC & 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
  - Low Battery 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*



## T2BV75F12SD (Kit)

Access and Power Integration Solution for Brivo



### Specifications

#### Power Supply/Charger 1 (eFlow104NB):

##### Input

Voltage	120VAC, 60Hz, 4.5A
Input Fuse	6.3A/250V

##### Output

Voltage	24VDC @ 10A
Auxiliary	1A (unswitched)
Protection	Overvoltage protection. Filtered and regulated

#### Power Supply/Charger 2 (eFlow102NB):

##### Input

Voltage	120VAC, 60Hz, 3.5A
Input Fuse	5A/250V

##### Output

Voltage	12VDC @ 10A
Auxiliary	1A (unswitched).
Protection	Overvoltage protection. Filtered and regulated

#### Both Power Supplies:

##### Battery Charging

Capacity	12VDC/12AH (4 within enclosure) 40AH/65AH (requires separate enclosure)
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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 71-73% for 12V units and 70-75% for 24V units (depending on the power supply). Prevents deep battery discharge

##### Indicators (LED)

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

#### Dual Input Power Distribution Module (PDS16CB):

##### Input

Voltage	24VDC from eFlow104NB and 12VDC from eFlow102NB
Input PTCs	9A

##### Outputs

Voltage	12VDC and/or 24VDC
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	3A/32V

##### Indicators (LED)

DC Output	Sixteen (16) individual output LEDs
Green:	12VDC
Red:	24VDC

#### Dual Input Access Power Controller (ACMS12CB):

##### Input

Voltage	24VDC from eFlow104NB and 12VDC from eFlow102NB
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Input PTCs	9A
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##### Outputs

Voltage	12VDC and/or 24VDC
Twelve (12) selectable 12VDC - 24VDC independently controlled outputs or twelve (12) independently 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 twelve (12) 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
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##### Indicators (LED)

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

#### T2BV75F12SD Kit:

##### Agency Listings

CE	European Conformity
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##### 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	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%
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BTU/Hr (approx.):	217 BTU/Hr.
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**Access Controller Position Chart for the Following Models:**

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



**Accessories** (order separately)



LINQ2

**LINQ2 - Network Supervision**

Altronix LINQ2 Network Communication Module provides remote supervision, control and monitoring over LAN/WAN

- Remotely reports accurate power diagnostics
- Controls power and resets devices
- Reports system diagnostics via Email



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.

**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)

