

## T1BV34S (Kit)

Access and Power Integration Solution for Brivo



T1BV34S kit consists of Trove1 enclosure and TBV1 Brivo/Altronix backplane with 12VDC or 24VDC (factory set at 24VDC) @ 6A power supply/charger, 12VDC voltage regulator, and four (4) fuse protected output access control module. This kit also accommodates various combinations of Brivo boards for up to six (6) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1BV34S

*Brivo boards are not included*

### Key Features

- 12VDC or 24VDC power supply/charger
- Accommodates following Brivo boards:
  - One (1) ACS6000-MBE or
  - Up to five (5) ACS6100-DB or ACS6100-I/O
- Convenient knockout configuration:
  - One (1) double knockout  
1.948" (1-1/2" Conduit) / 1.701" (1-1/4" Conduit)
  - Nine (9) 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 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates up to two (2) 12VDC/7AH batteries
- Lifetime Warranty\*

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

### 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.



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## Specifications

### Power Supply (AL600ULXB):

#### Input

Voltage	115VAC, 60Hz, 3.5A max.
Input Fuse	5A/250V

#### Output

Voltage	12VDC or 24VDC selectable
Current	6A @ 12VDC or 24VDC continuous max.
Other	Filtered and regulated

### Battery Charging

Capacity	12VDC/7AH (2 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

### Access Power Controller (ACM4):

#### Input

Voltage	24VDC from AL600ULXB
Input Fuse	10A/32V

#### Outputs

Voltage	24VDC
Four (4) independently controlled Fail-Safe and/or Fail-Secure 2.5A power outputs	
Four (4) auxiliary power outputs (unswitched)	

Output Fuses	3A/32V
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### Indicators (LED)

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

### Voltage Regulator (VR6):

#### Input

Voltage	24VDC from AL600ULXB
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#### Output

Voltage	12VDC
Current	6A continuous
Other	Surge suppression

### Indicators (LED)

Input	24VDC is present
Output	Powered

### T1BV34S 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
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### Physical and Environmental

#### Dimensions (H x W x D)

Enclosure:	18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)
Shipping:	21.75" x 18.25" x 5.75" (552.5mm x 463.6mm x 146.1mm)

#### Weight (approx.)

Product	16.23 lb. (7.36 kg)
Shipping	20.23 lb. (9.07 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.):	12VDC: 40 BTU/Hr. 24VDC: 77 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)



**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
 18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118.0mm)

