

# T1CVKT6SD (Kit)

Access & Power Integration Solution for CDVI



Altronix T1CVKT6SD kit consists of Trove1 enclosure, TC1 CDVI/Altronix backplane with one (1) Tango1B PoE Driven Power Supply and one (1) PTC dual output access power controller. This kit also accommodate various combinations of CDVI Atrium A22K/A22NB/ADH10 boards for up to six (6) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.



T1CVKT6SD

*CDVI modules are not included*



## Key Features

- Utilizes Hi-PoE (802.3bt) to simultaneously deliver 12VDC & 24VDC for powering access control and security devices
- Accommodates up to two (2) CDVI Atrium A22K/A22NB/ADH10 boards
- Convenient knockout configuration:
  - One (1) single knockout  
1.948" (1-1/2" Conduit)
  - Nine (9) double knockouts  
1.362" (1" Conduit) / 1.115" (3/4" Conduit)
- Supervision
  - Loss of PoE
  - Battery Supervision
- 16 AWG galvanized steel backplane simplifies board layout and wire management
- Enclosure accommodates Lithium Iron Phosphate (LiFePO<sub>4</sub>) batteries
- 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
- Lifetime Warranty\*

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

## Accessories (order separately)



NetWay4BT

### NetWayBT Series - 802.3BT 4PPoE Midspan Injectors

Altronix NetWayBT Series Midspan Injectors provide 802.3bt (90W) power and pass data for PoE compliant devices. PoE device may be located up to 100m from the unit.



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.

## Specifications

### PoE Driven Power Supply/Charger (Tango1B):

#### Ethernet Input

802.3bt PoE up to 90W (or 802.3at up to 30W or 802.3af up to 15W)

#### Power Output (when using 802.3bt 90W)

12VDC up to 5.4A (65W) and/or 24VDC up to 2.7A (65W)

Combined output not to exceed 65W

#### When charging batteries:

12VDC up to 4.6A (55W) and/or 24VDC up to 2.3A (55W)

Combined output not to exceed 55W

#### Ethernet Output

Pass-through Ethernet Port (data only)

### Battery Charging

**Capacity** One (1) LiFePO<sub>4</sub> battery within enclosure

**Type** LiFePO<sub>4</sub> (lithium iron phosphate)

**Failover** Upon AC loss, instantaneous

Unique technology allows for single battery to backup

12VDC and/or 24VDC systems

Batteries are sold separately

### Supervision

Loss of PoE Input

Battery Supervision

### Indicators (LED)

**Input** Indicates input voltage is present

**Output** Indicates normal operating condition

**PoE Type** PoE Class Indicator

**Supervision** PoE Fail or BAT Fail

### Access Power Controller (ACMS8CB):

#### Inputs

**Voltage** 12VDC and 24VDC from Tango1B

#### Current Consumption

0.6A @ 12V, 0.3A @ 24V with all relays energized

**Input PTCs** 9A

#### Outputs

**Voltage** 12VDC and/or 24VDC

Eight (8) independently controlled PTC outputs

a) Fail-Safe and/or Fail-Secure power outputs.

Form "C" Relays rated 28VAC or VDC @ 2.5A

b) Auxiliary power outputs (unswitched)

c) Any combination of the above

**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

### T1CVKT6SD 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:

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** 15.5 lb. (7.0 kg)

**Shipping** 19.5 lb. (8.9 kg)

##### Temperature

**Operating** 0°C to 49°C (32°F to 120°F)

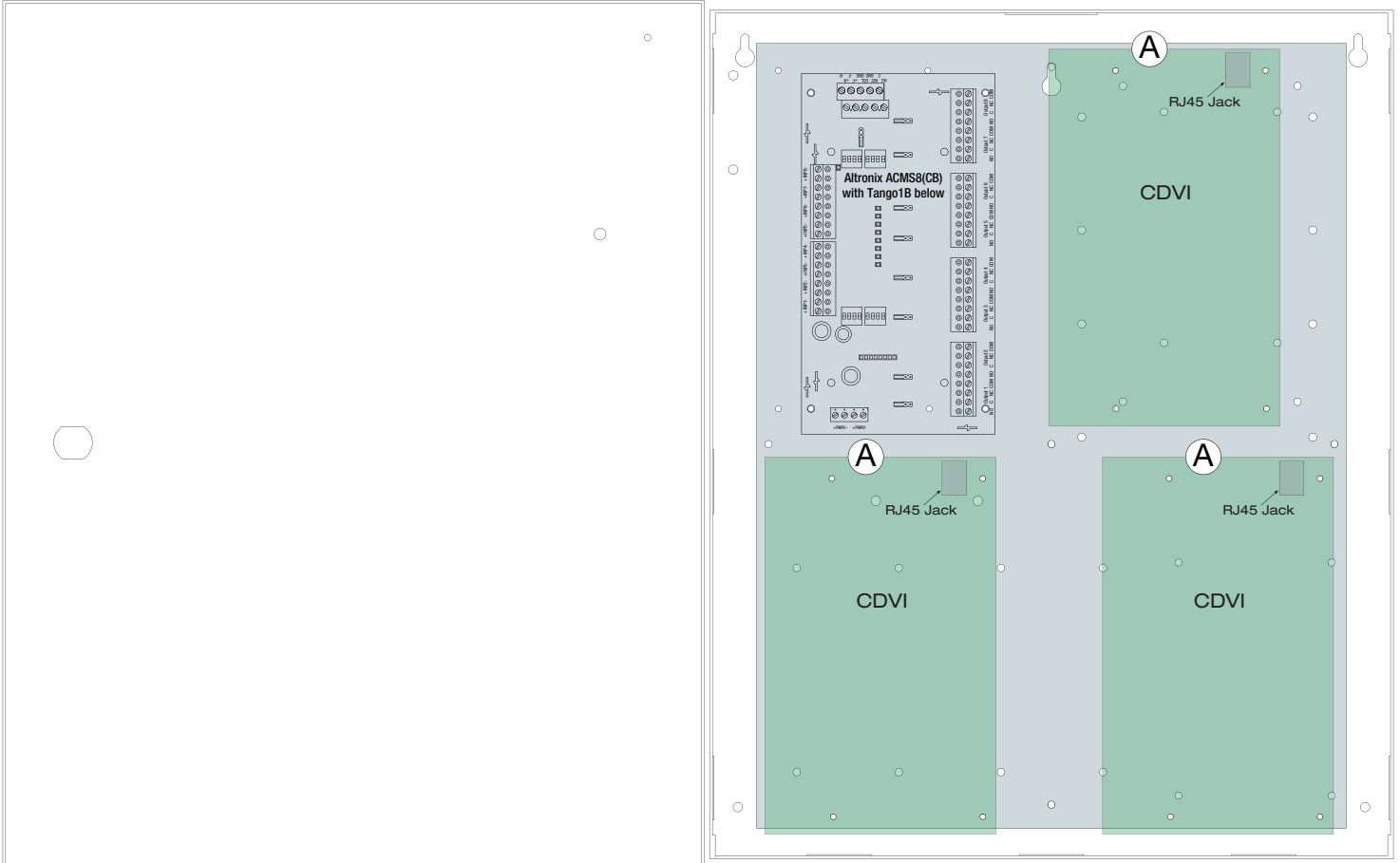
**Storage** - 20°C to 70°C (- 4°F to 158°F)

**Relative Humidity** 85% +/- 5%

**BTU/Hr (approx.):** 54 BTU/Hr.

**Access Controller Position Chart for the Following Models:**

CDVI	Pem Mounting
A22K1NB, A22NB, ADH10	A



**Dimensions and Drawing**

Dimensions (H x W x D approximate)  
18" x 14.5" x 4.62" (457.2mm x 368.3mm x 118mm)

