Altronix®

Rev. 06062023

# T2KE3316 (Kit)

## Access & Power Integration Solution for Kisi

TROVE™

Altronix T2KE3316 kit consists of Trove2 enclosure, TDR2 Kisi/Altronix backplane with two (2) 12 or 24VDC @ 6A power supply/chargers, and two eight (8) fuse protected output access control modules. This kit also accommodates up to four (4) Kisi Pro Controllers for up to sixteen (16) doors in a single enclosure. Trove simplifies board layout and wire management, reduces installation time and labor costs.

kisi

T2KE3316

*Kisi boards are not included*

## Key Features

- 12 or 24VDC power supply/chargers
- Accommodates up to four (4) Kisi Pro Controllers
- Includes twenty (20) mounting magnets for Kisi Pro Controller
- 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*

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## Specifications

### Two (2) Power Supply/Chargers (AL600ULXB):

**Input**

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

**Outputs**

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

**Battery Charging**

| | |
|---|---|
| Capacity | 12AH/12VDC (4 within enclosure)<br>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 |

### Two (2) Access Power Controllers (ACM8):

**Input**

| | |
|---|---|
| Voltage | 24VDC from AL600ULXB |
| Input Fuse | 10A/250V |

**Outputs**

Voltage: 24VDC

Eight (8) 24VDC independently controlled fused 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 Fuses: 3.5A/250V

**Indicators (LED)**

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

### T2KE3316 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 | 54.7 lb. (24.8 kg) |
| Shipping | 59.7 lb. (27.1 kg) |

Temperature

| | |
|---|---|
| Operating | 0ºC to 49ºC (32ºF to 120ºF) |
| Storage | – 20ºC to 70ºC (– 4ºF to 158ºF) |
| Relative Humidity | 85% +/– 5% |
| BTU/Hr (approx.): | 12VDC: 74 BTU/Hr.<br>24VDC: 148 BTU/Hr.<br>12VDC and 24VDC: 111 BTU/Hr. |

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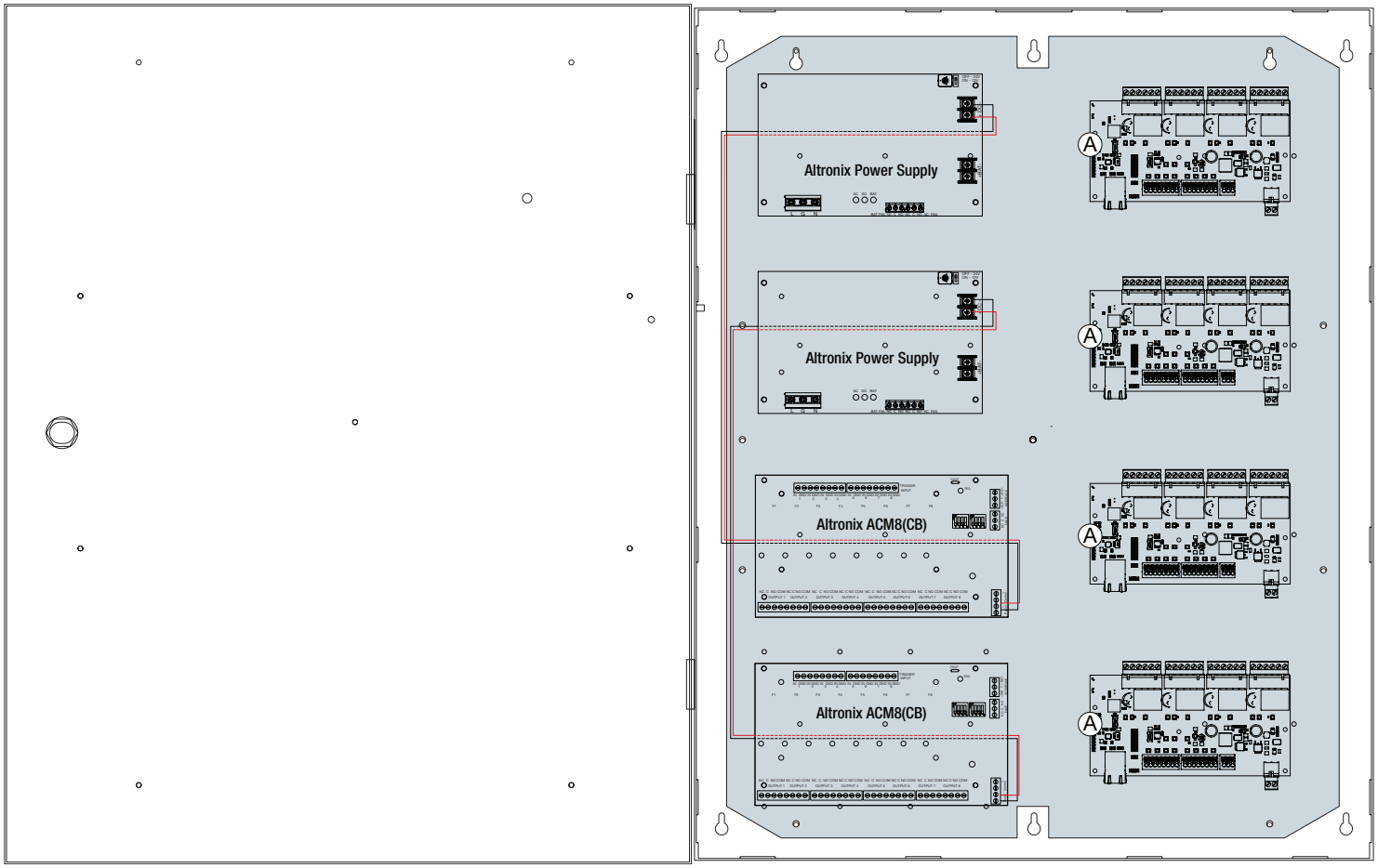
## Access Controller Position Chart for the Following Models:

| Kisi | Pem Mounting |
|---|---|
| Pro Controller | A |

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## 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.

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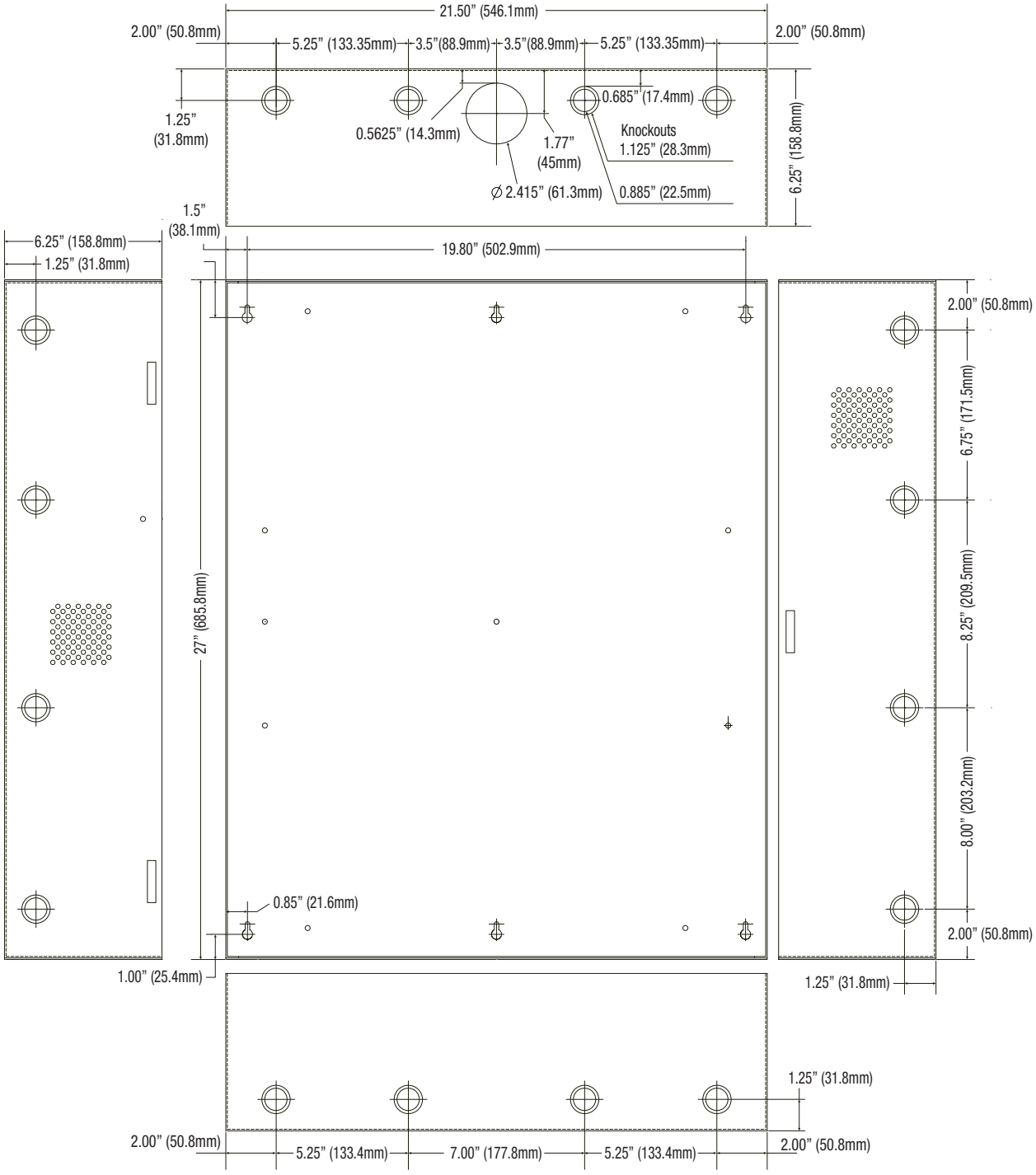
## Dimensions and Drawing

Dimensions (H x W x D approximate)

27.25" x 21.5" x 6.5" (692.2mm x 546.1mm x 165.1mm)





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