# Altronix®

# T2HW7LXK1D (Pre-wired Kit)
## Access and Power Integration Solution for Honeywell

Altronix T2HW7LXK1D is a 8-door access and power integration kit which includes Altronix power and sub-assemblies along with factory installed wire management and wire assemblies that are pre-configured with terminal blocks for Honeywell ProWatch/ WinPak hardware. This unit provides ample power and dual voltage outputs to support Honeywell platform controllers and locking devices. The T2HW7LXK1D accommodates one (1) Intelligent Controller and three (3) Dual Reader Modules. Trove Plus simplifies field installations and provides reliable, robust critical power and control for the most demanding applications.

**Honeywell**
THE POWER OF **CONNECTED**

T2HW7LXK1D - includes
AL1024ULXB2, ACMS8CB, VR6, PDS8CB,
wire harnesses and finger duct

*Honeywell modules are not included*

## Key Features

- Accommodates the following Honeywell controllers:
  1 - PW7K1IC/PRO42IC and 3 - PW7K1R2/PRO42R2
- Convenient knockout configuration:
  - One (1) single knockout - 2" Conduit
  - Sixteen (16) double knockouts -
    1/2" Conduit and 3/4" Conduit
- Unit includes:
  - Removable backplane
  - Wire management
  - Custom wire assemblies for power distribution with terminal blocks for controller connections
- 16 AWG galvanized steel backplane simplifies board layout and wire management

- 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
- Enclosure accommodates up to four (4) 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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### Access and Power Integration Solution for Honeywell

TROVE™ PLUS

## Specifications

### Power Supply (AL1024ULXB2):

**Input**
| | |
|---|---|
| Voltage | 115VAC 60Hz, 4.2A max. |
| Fusing | 5A/250V |

**Outputs**
| | |
|---|---|
| Voltage | 24VDC |
| Current | 10A @ 24VDC continuous max. |
| Other | Overvoltage protection. Filtered and regulated |

**Back-up Battery**
| | |
|---|---|
| Capacity | 12AH /12VDC (2 within enclosure) |
| | 40 AH/65 AH (requires separate enclosure) |
| Type | Sealed lead acid or gel type |
| Failover | Upon AC loss, instantaneous |

**Supervision**
| | |
|---|---|
| AC Failure | Form "C" contacts |
| Battery | Form "C" contacts |

**Indicators (LED)**
| | |
|---|---|
| Input | 115VAC is present |
| DC Output | Powered |
| Battery | Discharged or not connected |

### Voltage Regulator (VR6):

**Input**
| | |
|---|---|
| Voltage | 24VDC from AL1024ULXB2 |

**Output**
| | |
|---|---|
| Voltage | 12VDC |
| Current | 6A continuous |
| Other | Surge suppression |

**Indicators (LED)**
| | |
|---|---|
| Input | 24VDC is present |
| Output | Powered |

### Access Power Controllers (ACMS8CB):

**Input**
| | |
|---|---|
| Voltage | 24VDC from AL1024ULXB2 and 12VDC from VR6 |
| Input PTC | 9A |

**Outputs**
| | |
|---|---|
| Voltage | 12VDC and/or 24VDC |

Eight (8) 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 PTCs | 2.5A |

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

### Dual Input Power Distribution Module (PDS8CB):

**Input**
| | |
|---|---|
| Voltage | 12VDC from VR6 and 24VDC from AL1024ULXB2 |
| Input PTC | 9A |

**Outputs**
| | |
|---|---|
| Voltage | 12VDC and/or 24VDC |

Any of the eight (8) power outputs are selectable
to follow power Input 1 or Input 2
Individual outputs may be set to OFF position for servicing

**Outputs Ratings**
| | |
|---|---|
| PTCs | 2.5A |

**Indicators (LED)**
| | |
|---|---|
| DC Output | Eight (8) individual output LEDs |
| Green: | 12VDC |
| Red: | 24VDC |

### T2HW7LXK1D Kit:

**Agency Listings**
| | |
|---|---|
| CE | European Conformity |

All components of this Trove kit are UL Listed sub-assemblies
Please refer to the corresponding Sub-Assembly Installation Guides
for further information

**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: | 41.6 lb. (18.87 kg) |
| Shipping: | 45.6 lb. (20.68 kg) |

**Temperature**
| | |
|---|---|
| Operating | 0ºC to 49ºC (32ºF to 120ºF) |
| Storage | − 20ºC to 70ºC (− 4ºF to 158ºF) |
| Relative Humidity | 85% +/− 5% |
| BTU/Hr. (approx.): | 145 BTU/Hr |

**(A) PW7K1IC PRO42IC**

**(B) PW7K1R2 PRO42R2**

**(C) PW7K1R2 PRO42R2**

**(D) PW7K1R2 PRO42R2**

AL1024ULXB2

VR6 below ACMS8(CB)

PDS8(CB) Dual Voltage Power Distribution Module

## 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)