



Altronix T2HW7LXK1 8 Door Kit with Fused Outputs Instruction Manual

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More than just power.™

Altronix T2HW7LXK1 8 Door Kit with Fused Outputs



Product Information

- **Product Name:** Altronix/Honeywell Wired Kits
- **Models:** T2HW7LXK1, T2HW7LXK3, T2HW7LXK1D, T2HW7LXK3D
- **Includes:** Trove2 enclosure, THW2 Altronix/Honeywell backplane, AL1024ULXB2 Power Supply/Charger, ACMS8 Dual Input/Output FuseProtected Access Power Controller, VR6 Voltage Regulator, PDS8 Dual Input/Output Fuse Protected Power Distribution Module, Rocker Switch Bracket with Rocker Switch, Wire harnesses, and finger duct.

Product Usage Instructions

1. Make sure to follow the National Electrical Code/NFPA 70/ANSI and local codes for wiring methods.
2. This product is intended for indoor use only.
3. **Installation:**
 - Remove the backplane from the enclosure without discarding any hardware.
 - Mark and predrill holes in the wall to align with the top three keyholes in the enclosure.
 - Install three upper fasteners and screws in the wall, ensuring that the screw heads protrude.
 - Place the enclosure's upper keyholes over the three upperscrews, level it, and secure it.
 - Mark the position for the lower fasteners and screws in the wall.

- Install the lower fasteners and screws in the wall.
- Attach the backplane to the enclosure using the provided hardware.

Models Include

T2HW7LXK1

8 Door Kit with Fused Outputs

- Accommodates one (1) Intelligent Controller and three (3) Dual Reader Modules.

T2HW7LXK3

8 Door Kit with Fused Outputs

- Accommodates up to four (4) Dual Reader Modules.

Each fully assembled kit includes:

- Trove2 enclosure with THW2 Altronix/Honeywell backplane
- One (1) AL1024ULXB2 – Power Supply/Charger
- One (1) ACMS8 – Dual Input/Output Fuse Protected Access Power Controller
- One (1) VR6 – Voltage Regulator
- One (1) PDS8 – Dual Input/Output Fuse Protected Power Distribution Module
- One (1) Rocker Switch Bracket with One (1) Rocker Switch (Not evaluated by UL)
- Wire harnesses and finger duct

T2HW7LXK1D

8 Door Kit with PTC Outputs

- Accommodates one (1) Intelligent Controller and three (3) Dual Reader Modules.

T2HW7LXK3D

8 Door Kit with PTC Outputs:

- Accommodates up to four (4) Dual Reader Modules.

Each fully assembled kit includes:

- Trove2 enclosure with THW2 Altronix/Honeywell backplane
- One (1) AL1024ULXB2 – Power Supply/Charger
- One (1) ACMS8CB – Dual Input/Output PTC Protected Access Power Controller
- One (1) VR6 – Voltage Regulator

- One (1) PDS8CB – Dual Input/Output PTC Protected Power Distribution Module
- One (1) Rocker Switch Bracket with One (1) Rocker Switch (Not evaluated by UL)
- Wire harnesses and finger duct

Overview

Altronix Trove Plus kits are pre-wired, pre-assembled and consist of Trove2HW2 enclosure/backplane with factory installed Altronix power supply/ charger and sub-assemblies, wire harnesses and finger duct.

Configuration Chart:

| Altronix Model Number | 115 VAC 60Hz Input Current (A) | Power Supply Board Input Fuse Rating | Power Supply Board Battery Fuse Rating | Nominal DC Output Voltage Range (VDC) | Maximum Supply Current for Main Outputs on Power Supply board and ACMS 8(CB) Access Power Controller's outputs | Fail-Safe/Fail-Secure or Dry Form "C" Outputs | Current Per ACMS 8(CB) and PD S8(CB) Output (A) | ACMS 8(CB) Board Input Fuse (PTC) Rating | ACMS 8(CB) Board Output Fuse (PTC) Rating | PD S8(CB) Board Input Fuse (PTC) Rating | PD S8(CB) Board Output Fuse (PTC) Rating | |
|-----------------------|--------------------------------|--------------------------------------|--|---------------------------------------|--|---|---|--|---|---|--|--|
| T2HW7LX K1 | | | | | | | | 15A / | 3A / | 10A / | 3A / | |
| T2HW7LX K3 | | 5A / | 15A / | 20.17- | | | 2.5 | 32V | 32V | 32V | 32V | |
| T2HW7LX K1D | 4.2 | 250 V | 32V | 26.4 | 24VDC @ 9.4A | 8 | | | | | | |
| T2HW7LX K3D | | | | | | | 2.0 | 9A | 2.5 A | 9A | 2.5 A | |

Hardware and Accessories

- One(1) tamper switch (Altronix Model TS112 or equivalent).
- Cam lock.
- Battery leads.

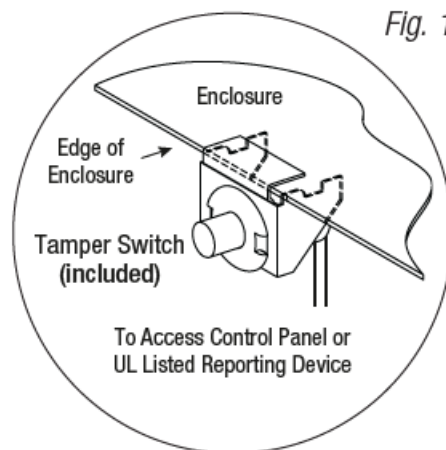
Mechanical

- 16 Gauge enclosure with ample knockouts for convenient access.
- Enclosure Dimensions (H x W x D): 27.25" x 21.75" x 6.5" (692.2mm x 552.5mm x 165.1mm).

Installation Instructions

Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

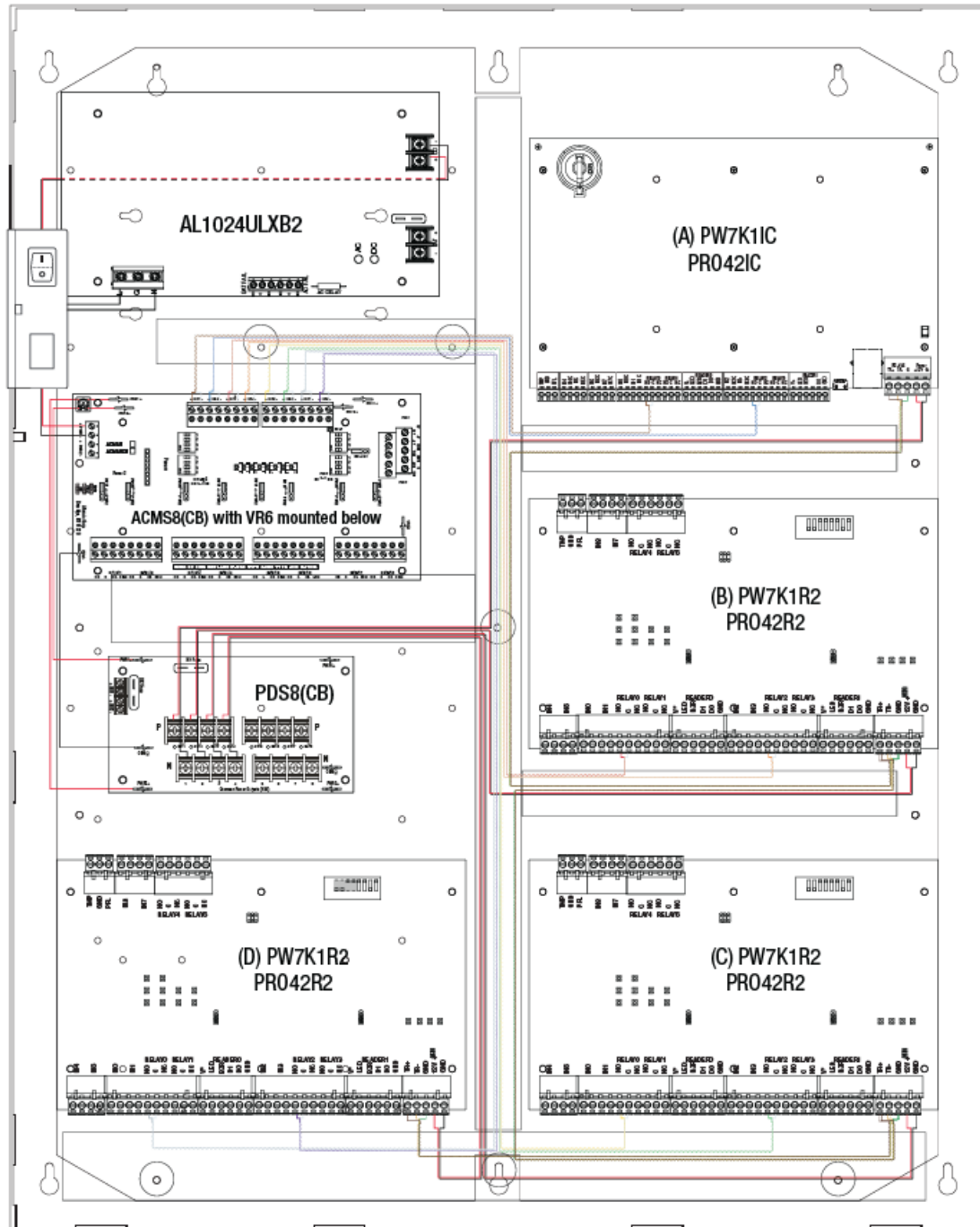
1. Remove backplane from enclosure. Do not discard hardware.
2. Mark and predrill holes in the wall to line up with the top three keyholes in the enclosure. Install three upper fasteners and screws in the wall with the screw heads protruding. Place the enclosure's upper keyholes over the three upper screws, level and secure. Mark the position of the lower three holes. Remove the enclosure. Drill the lower holes and install the three fasteners. Place the enclosure's upper keyholes over the three upper screws. Install the three lower screws and make sure to tighten all screws.



3. Mount included UL Listed tamper switch (Altronix Model TS112 or equivalent) in desired location, opposite hinge. Slide the tamper switch bracket onto the edge of the enclosure approximately 2" from the right side (Fig. 1,). Connect tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate alarm signal open the door of the enclosure.
4. Refer to the ULXB Power Supply/Charger Installation Guide for AL1024ULXB2 and corresponding Sub-Assembly Installation Guides for VR6, PDS8(CB) and ACMS8(CB) for further installation instructions.
5. Position Honeywell access controller modules over corresponding spacers and depress onto snap on spacers (Fig. 2).
6. Connect wire harnesses to Honeywell access controller modules (Fig. 2-3).
7. Mount backplane to enclosure with hardware.

T2HW7LXK1(D) Configuration

Fig. 2



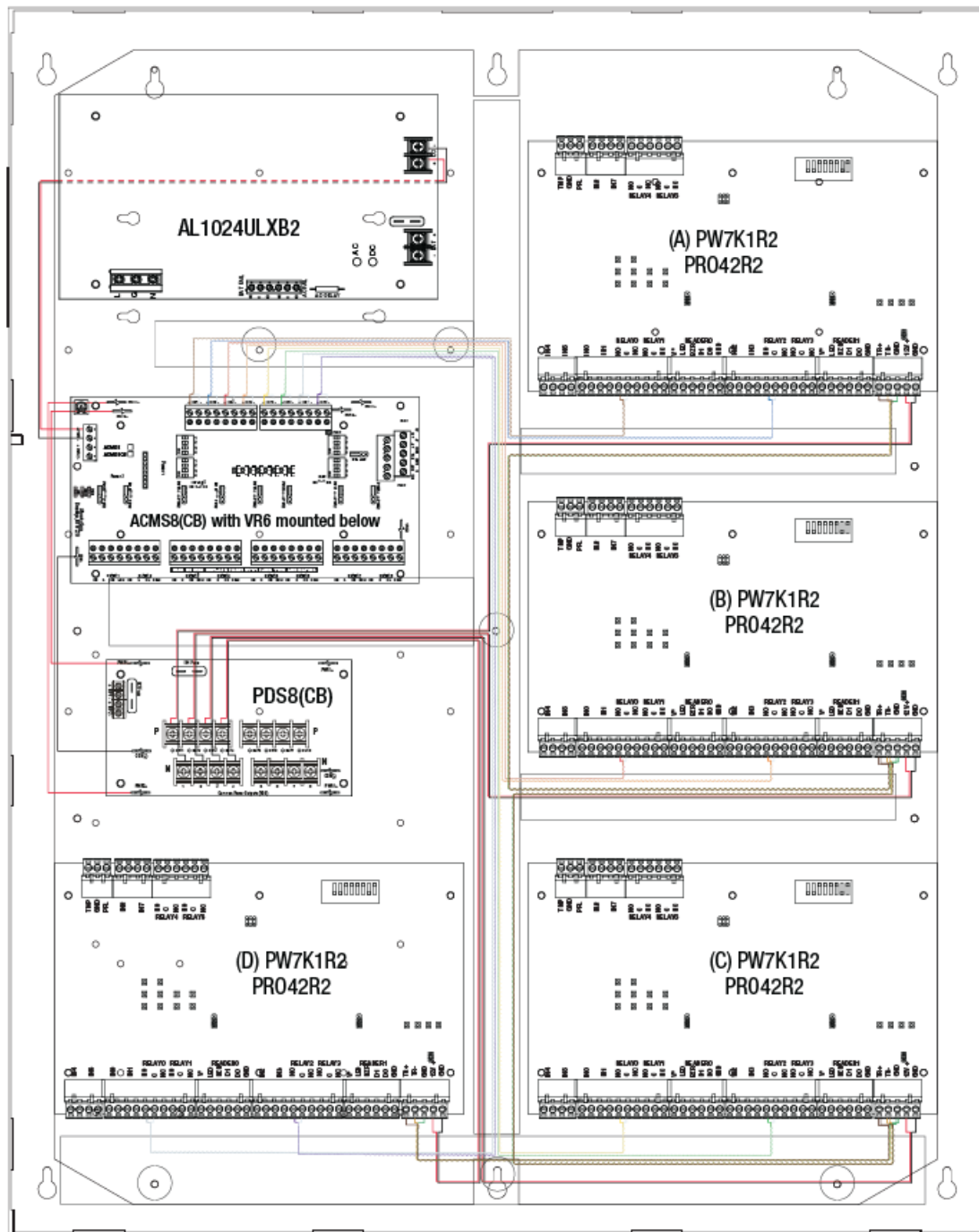
1. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 2).
2. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

| Honeywell Access Controller | Pem Mounting |
|-----------------------------|--------------|
| PW7K11C / PRO421C | A |
| PW7K1R2 / PRO42R2 | B C D |

T2HW7LXK3(D) Configuration

Fig. 3



1. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 3).
2. Mount backplane to enclosure with hardware.

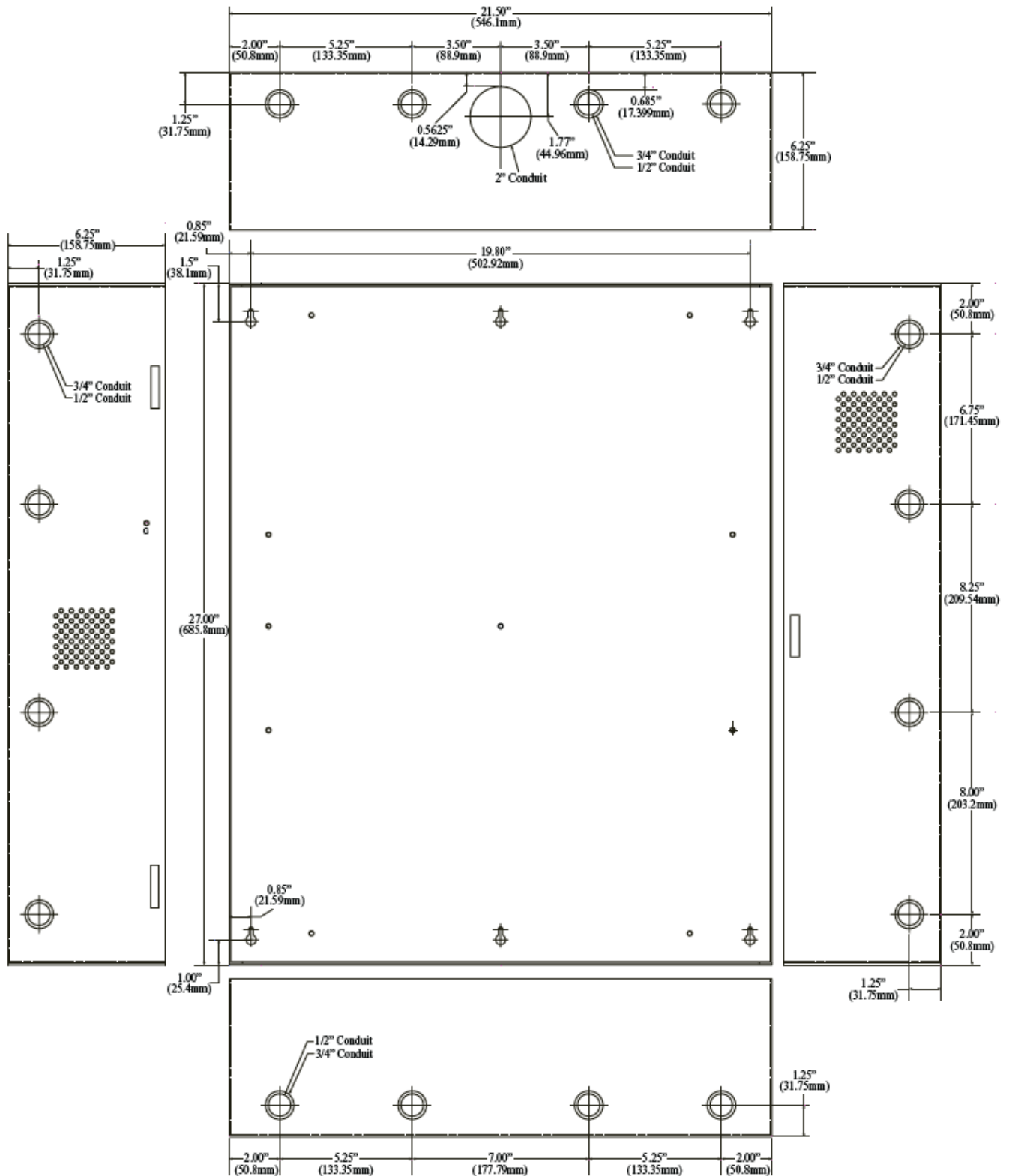
Access Controller Position Chart for the Following Models

| Honeywell Access Controller | Pem Mounting |
|-----------------------------|--------------|
| PW7K1R2 / PRO42R2 | A B C D |

Dimensions

Trove2 Enclosure Dimensions (H x W x D approximate):

- 27.25" x 21.5" x 6.5" (692.2mm x 552.5mm x 165.1mm)



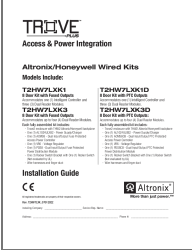
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- **Installing Company:** _____
- **Service Rep. Name:** _____
- **Address:** _____
- **Phone #:** _____

Documents / Resources

| | |
|---|---|
|  | <p>Altronix T2HW7LXK1 8 Door Kit with Fused Outputs [pdf] Instruction Manual</p> <p>T2HW7LXK1 8 Door Kit with Fused Outputs, T2HW7LXK1, 8 Door Kit with Fused Outputs, Kit with Fused Outputs, Fused Outputs, Outputs</p> |
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References

-  [Altronix Home](#)