

Access & Power Integration

Altronix/Mercury Wired Kits

Models Include:

T2M75LCK1

16 Door Kit with Fused Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 Altronix/Mercury door backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- Two (2) ACMS8 - Dual Input Fused Access Power Controllers
- One (1) VR6 - Voltage Regulator
- One (1) PDS8 - Dual Input Fused Power Distribution Module
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches (Not evaluated by UL)
- Wire harnesses for one (1) LP1502 and seven (7) MR52

T2M75LCK1D

16 Door Kit with PTC Outputs

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 Altronix/Mercury door backplane
- One (1) AL1024ULXB2 - Power Supply/Charger
- One (1) AL1012ULXB - Power Supply/Charger
- Two (2) ACMS8CB - Dual Input PTC Access Power Controllers
- One (1) VR6 - Voltage Regulator
- One (1) PDS8CB - Dual Input PTC Power Distribution Module
- One (1) RSB2 - Rocker Switch Bracket with Two (2) Rocker Switches (Not evaluated by UL)
- Wire harnesses for one (1) LP1502 and seven (7) MR52

All components of these Trove kits are UL Listed sub-assemblies.

Please refer to the included corresponding Sub-Assembly Installation Guides for further information.

Installation Guide



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Rev. 070623



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Installing Company: _____ Service Rep. Name: _____

Address: _____ Phone #: _____

Overview:

Altronix T2M75LCK1(D) Trove Mercury kit is pre-assembled and consists of Trove enclosure/backplanes with factory installed Altronix power supply/chargers and sub-assemblies. It also accommodates a variety of Mercury modules for up to sixteen doors in a single enclosure.

Configuration Chart:

Altronix Model Number	115VAC 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 ACMS8(CB) Access Power Controllers' outputs	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Current Per ACMS8(CB) and PDS8(CB) Output (A)	ACMS8(CB) Board Input Fuse (PTC) Rating	ACMS8(CB) Board Output Fuse (PTC) Rating	PDS8(CB) Board Input Fuse (PTC) Rating	PDS8(CB) Board Output Fuse (PTC) Rating
				Power Supply 1	Power Supply 2							
T2M75LCK1	6.8	5A/250V	15A/32V	20.17-26.4	9.7-13.2	24VDC @ 9.4A	16	2.5	15A/32V	3A/32V	10A/32V	3A/32V
T2M75LCK1D								2.0	9A	2.5A	9A	2.5A

Installation Instructions:

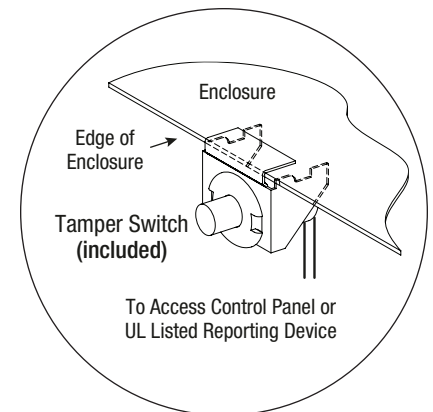
Wiring methods shall be in accordance with the National Electrical Code/NFPA 70/ANSI, and with all local codes and authorities having jurisdiction. Product is intended for indoor use only.

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, pg. 2*). 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. Connect unswitched AC power (115VAC 60Hz) to RSB2. Use 14 AWG or larger for all power connections. Secure green wire lead to earth ground. Green "AC" LED on power supply board will turn on. This light can be seen through the LED lens on the door of the enclosure.




Keep power-limited wiring separate from non power-limited wiring (115VAC 60Hz Input, Battery Wires). Minimum 0.25" spacing must be provided.
CAUTION: Do not touch exposed metal parts. Shut branch circuit power before installing or servicing equipment. There are no user serviceable parts inside.
Refer installation and servicing to qualified service personnel.

5. Measure voltage before connecting devices. This helps avoiding potential damage.
6. Mount Mercury modules to backplane(s), refer to *page 3, 4*.
7. Refer to the *ULXB Power Supply/Charger Installation Guide* for AL1024ULXB2 and AL1012ULXB and corresponding *Installation Guides* for VR6, ACMS(CB) and PDS8(CB) for further installation instructions.

Fig. 1



Hardware:

 Snap On Spacer |
  5/16" Pan Head Screw |
  Lock Nut

T2M75LCK1(D): Configuration of Mercury Boards on TM2 Backplane:

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

Access Controller Position Chart for the Following Models:

LenelS2 / Mercury Access Controller	Pem Mounting
LP1502	(A)
MR52	(B)

Fig. 2

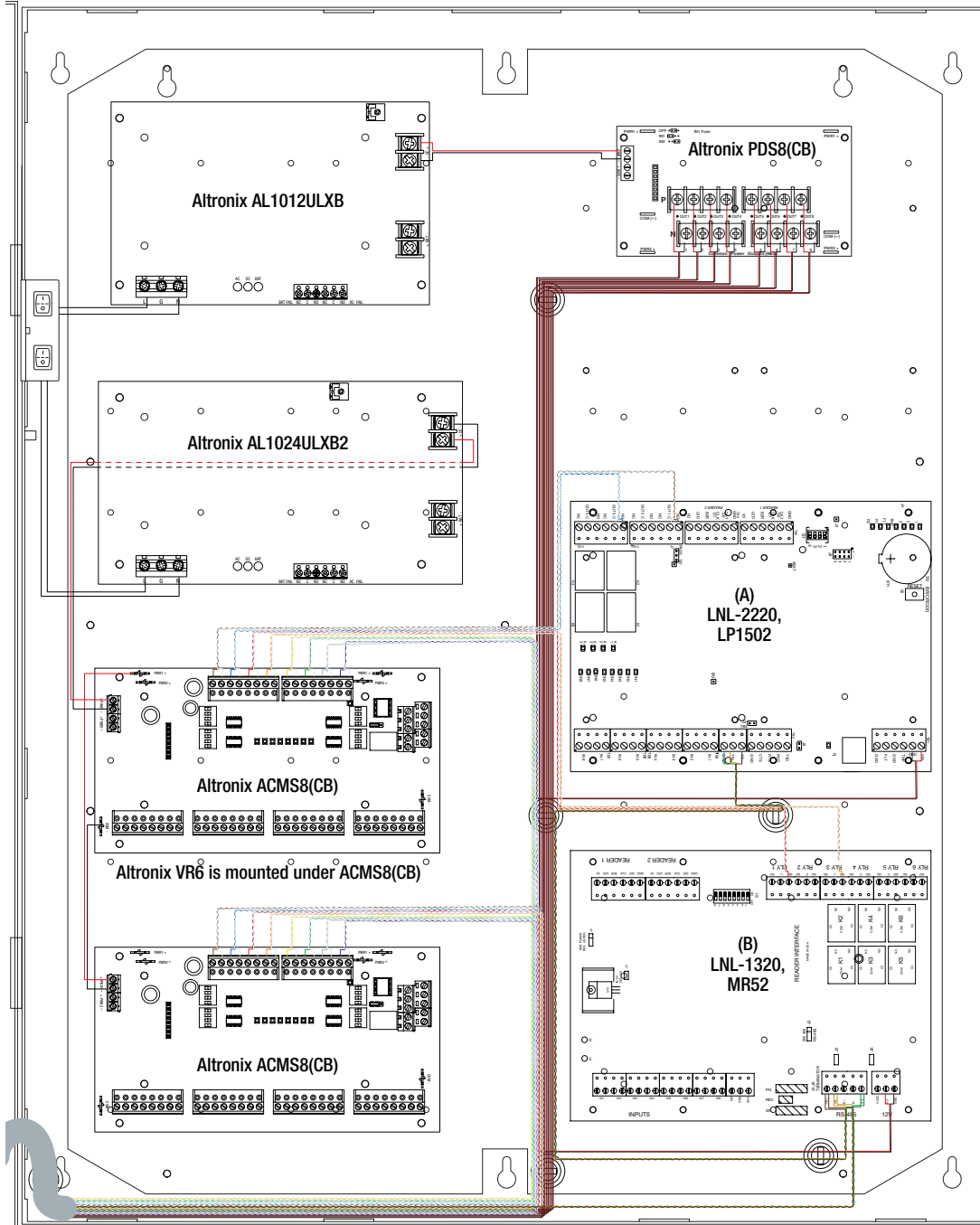
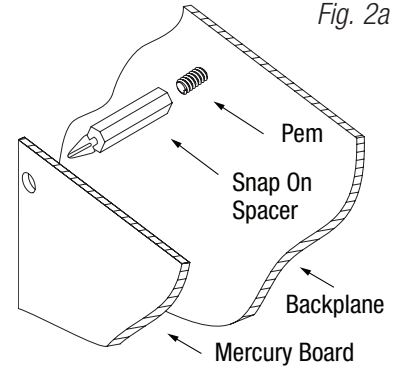


Fig. 2a



T2M75LCK1(D): Configuration of Mercury Boards on TMV2 Door Backplane:

1. Position access controller module over corresponding spacers and depress onto snap on spacers (Fig. 3, pg. 4).
2. Mount backplane to enclosure with hardware.

Access Controller Position Chart for the Following Models:

LenelS2 / Mercury Access Controller	Pem Mounting
MR52	(C) (D) (E) (F) (G) (H)

Fig. 3

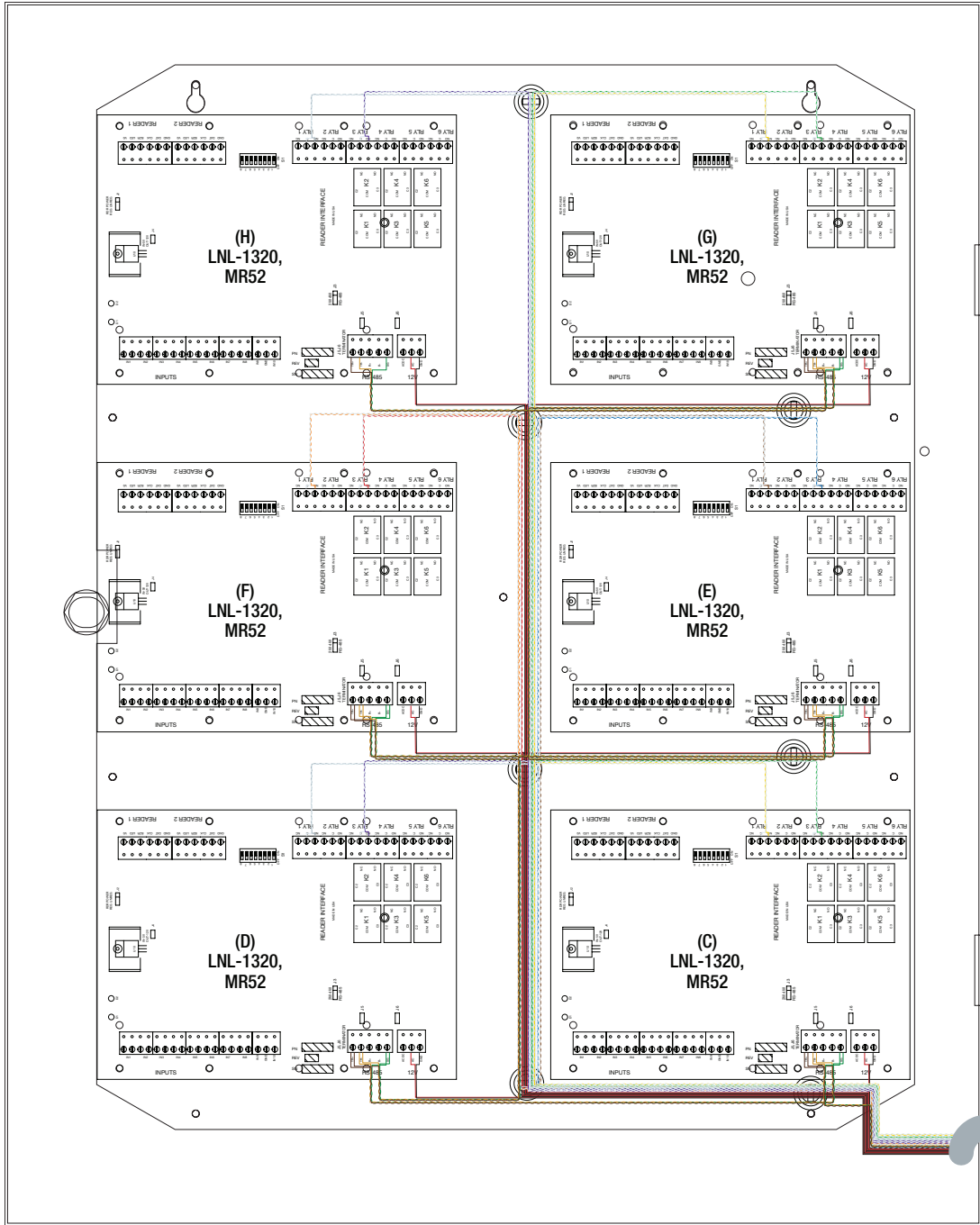
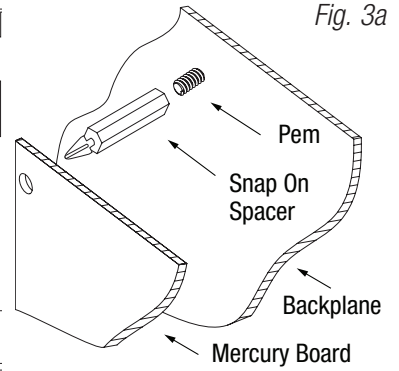


Fig. 3a



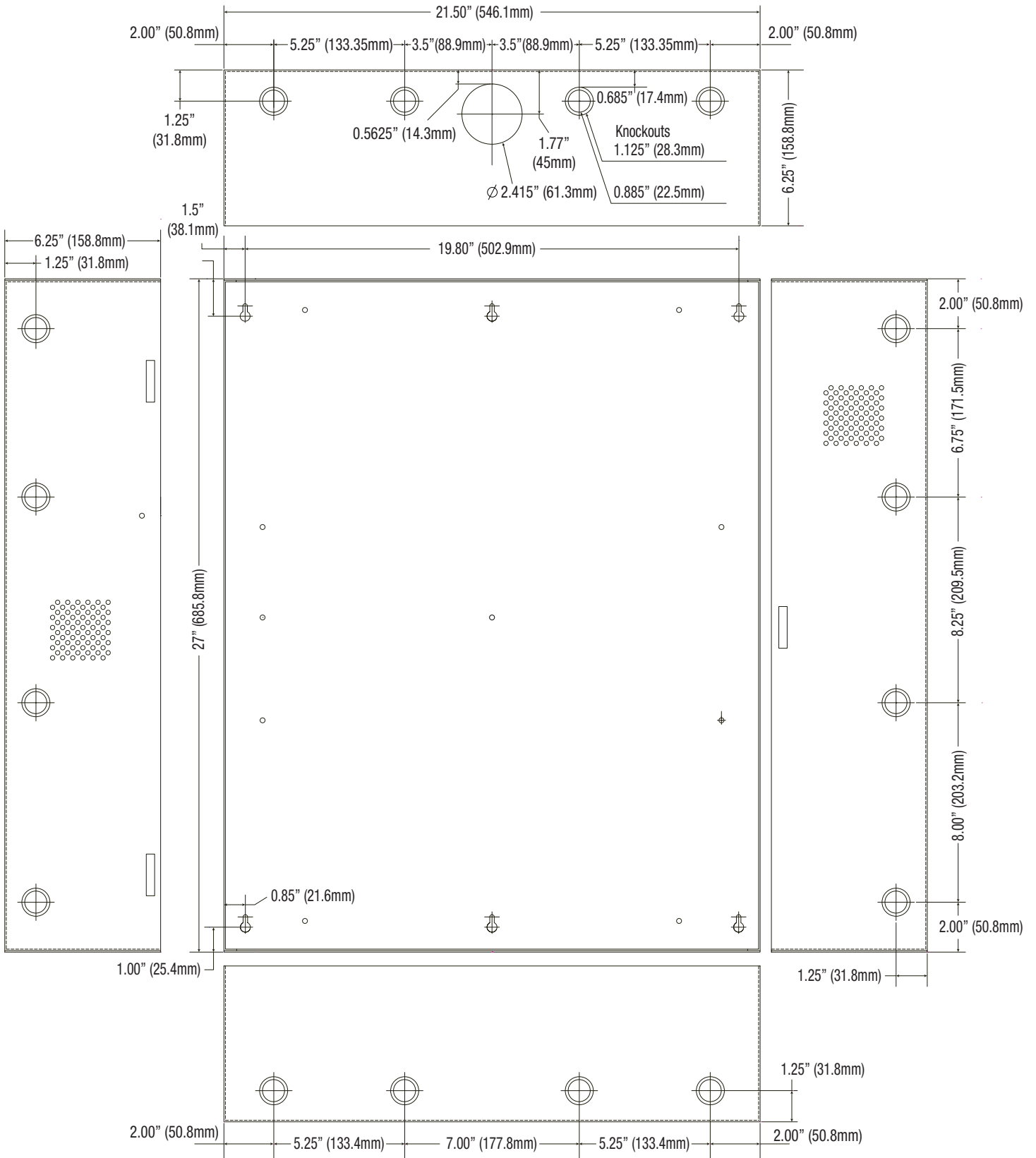
Notes:

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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)



Altronix is not responsible for any typographical errors. Product specifications are subject to change without notice.

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