



Altronix T2MK3F4D Trove2-Mercury Kits with PTC Outputs Instruction Manual

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Altronix Trove2/Mercury Kits with PTC Outputs

4 Door Kits

T2MK3F4D

Fully assembled kit includes:

- Trove2 enclosure with
TM2 Altronix/Mercury backplane
- (1) eFlow6NB – Power Supply/Charger
- (1) ACM4CB – PTC Access Power Controller
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC
Power Distribution Module

T2MK3F4DQ

Fully assembled kit includes:

- Trove2 enclosure with
- TM2 Altronix/Mercury backplane
- (1) eFlow6NB – Power Supply/Charger
- (1) LINQ2 – Network Communications Module
- (1) ACM4CB – PTC Access Power Controller
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC
Power Distribution Module

8 Door Kits

T2MK3F8D

Fully assembled kit includes:

- Trove2 enclosure with
TM2 Altronix/Mercury backplane
- (1) eFlow6NB – Power Supply/Charger
- (1) ACM8CB – PTC Access Power Controller
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC
Power Distribution Module

T2MK3F8DQ

Fully assembled kit includes:

- Trove2 enclosure with
TM2 Altronix/Mercury backplane
- (1) eFlow6NB – Power Supply/Charger
- (1) LINQ2 – Network Communications Module
- (1) ACM8CB- PTC Access Power Controller
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC
Power Distribution Module

T2MK7F8D

Fully assembled kit includes:

- Trove2 enclosure with
TM2 Altronix/Mercury backplane
- (1) eFlow104NB – Power Supply/Charger
- (1) ACM8CB- PTC Access Power Controller
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC
Power Distribution Module

T2MK7F8DQ

Fully assembled kit includes:

- Trove2 enclosure with
TM2 Altronix/Mercury backplane
- (1) eFlow104NB – Power Supply/Charger
- (1) LINQ2 – Network Communications Module
- (1) ACM8CB- PTC Access Power Controller
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC
Power Distribution Module

16 Door Kits

T2MK75F16D

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 door backplane
- (1) eFlow104NB and (1) eFlow102NB – Power Supply/Chargers
- (2) ACM8CB – PTC Access Power Controllers
- (1) PD16WCB – PTC Power Distribution Module

T2MK75F16DQ

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 door backplane
- (1) eFlow104NB and (1) eFlow102NB – Power Supply/Chargers
- (1) LINQ2 – Network Communications Module
- (2) ACM8CB – PTC Access Power Controllers
- (1) PD16WCB – PTC Power Distribution Module

T2MK77F16D

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 door backplane
- (2) eFlow104NB – Power Supply/Chargers
- (2) ACM8CB – PTC Access Power Controllers
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC
Power Distribution Module

T2MK77F16DQ

Fully assembled kit includes:

- Trove2 enclosure with TM2 Altronix/Mercury backplane and TMV2 door backplane
- (2) eFlow104NB – Power Supply/Chargers
- (1) LINQ2 – Network Communications Module
- (2) ACM8CB – PTC Access Power Controllers
- (1) VR6 – Voltage Regulator
- (1) PDS8CB – Dual Input PTC
Power Distribution Module

Overview

Altronix Trove Mercury kits are pre-assembled and consist of Trove2M2 enclosure with factory installed Altronix power supply/charger(s) and sub-assemblies.

These kits also accommodate various combinations of Mercury boards for up to sixteen (16) doors in a single enclosure.

Configuration Chart

Altronix Model Number	Networkable	120V AC 60 Hz Input Current (A)	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	Nominal DC Output Voltage				Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM4CB/ACM8CB Access Power Controller's outputs	Fail-Safe /Fail-Secure Auto-Resettable Outputs	Current Per AC M4CB /AC M8CB Output (A)	AC M4CB /AC M8CB Board Input Fuse Rating	AC M4CB /AC M8CB Board Output PTC Rating	PD S8CB Board Input Fuse Rating	PD S8CB Board Output PTC Rating	PD 8ULCB/ PD 16WCB Board Output PTC Rating
					Power Supply 1		Power Supply 2									
					[DC]	[Aux]	[DC]	[Aux]								
					Output Range (V DC)	Output Range (V DC)	Output Range (V DC)	Output Range (V DC)								
T2MK3F4D	–	3.5	5A / 250V	10A/ 32V	20.19-26.4	20.19-26.4	–	–	24VDC @ 5.8A	4	2.0	10A/ 250V	2A	10A/ 250V	2A	–
T2MK3F4DQ	P	3.5	5A / 250V	10A/ 32V	20.19-26.4	20.19-26.4	–	–	24VDC @ 5.8A	4	2.0	10A/ 250V	2A	10A/ 250V	2A	–
T2MK3F8D	–	3.5	5A / 250V	10A/ 32V	20.19-26.4	20.19-26.4	–	–	24VDC @ 5.8A	8	2.0	10A/ 250V	2A	10A/ 250V	2A	–
T2MK3F8DQ	P	3.5	5A / 250V	10A/ 32V	20.19-26.4	20.19-26.4	–	–	24VDC @ 5.8A	8	2.0	10A/ 250V	2A	10A/ 250V	2A	–

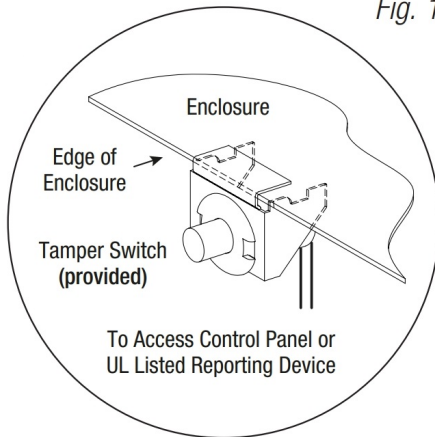
T2MK7F8D	–	4.5	6.3 A/ 25 0V	15 A/ 32 V	20. 17- 26. 4	20. 28- 26. 4	–	–	24VDC @ 9.2A	8	2.0	10 A/ 25 0V	2A	10 A/ 25 0V	2A	–
T2MK7F8D Q	P	4.5	6.3 A/ 25 0V	15 A/ 32 V	20. 17- 26. 4	20. 28- 26. 4	–	–	24VDC @ 9.2A	8	2.0	10 A/ 25 0V	2A	10 A/ 25 0V	2A	–
T2MK75F16 D	–	8	6.3 A/ 25 0V 5A / 2 50 V	15 A/ 32 V	20. 17- 26. 4	20. 28- 26. 4	9.7 - 1 3.2	10. 03- 13. 2	12VDC @ 9.3A 24VDC @ 9.2A	16	2.0	10 A/ 25 0V	2A	–	–	2A
T2MK75F16 DQ	P	8	6.3 A/ 25 0V 5A / 2 50 V	15 A/ 32 V	20. 17- 26. 4	20. 28- 26. 4	9.7 - 1 3.2	10. 03- 13. 2	12VDC @ 9.3A 24VDC @ 9.2A	16	2.0	10 A/ 25 0V	2A	–	–	2A
T2MK77F16 D	–	9	6.3 A/ 25 0V	15 A/ 32 V	20. 17- 26. 4	20. 28- 26. 4	20. 17- 26. 4	20. 28- 26. 4	24VDC @ 9.2A	16	2.0	10 A/ 25 0V	2A	10 A/ 25 0V	2A	–
T2MK77F16 DQ	P	9	6.3 A/ 25 0V	15 A/ 32 V	20. 17- 26. 4	20. 28/ 26. 4	20. 17- 26. 4	20. 28- 26. 4	24VDC @ 9.2A	16	2.0	10 A/ 25 0V	2A	10 A/ 25 0V	2A	–

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(s) 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.

Fig. 1



4. Refer to the eFlow Power Supply/Charger Installation Guide for eFlow6NB, eFlow102NB, eFlow104NB and Sub-Assembly Installation Guide for the following models: ACM4CB, ACM8CB, LINQ2, PDS8CB, VR6 for further installation instructions.
5. Fasten snap on spacers onto metal pems configuration of backplane depending on the Mercury access controller (**Fig. 2-5**).
6. Position Mercury access controller module over corresponding spacers and depress onto snap on spacers (**Fig. 2-5**).
7. Mount backplane to enclosure with hardware.

T2MK3F4D, T2MK3F4DQ, T2MK3F8D, T2MK3F8DQ: Configuration of Mercury Boards

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller (**Fig. 2**).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (**Fig. 2a**)
3. Mount backplane to enclosure with hardware.

Fig. 2

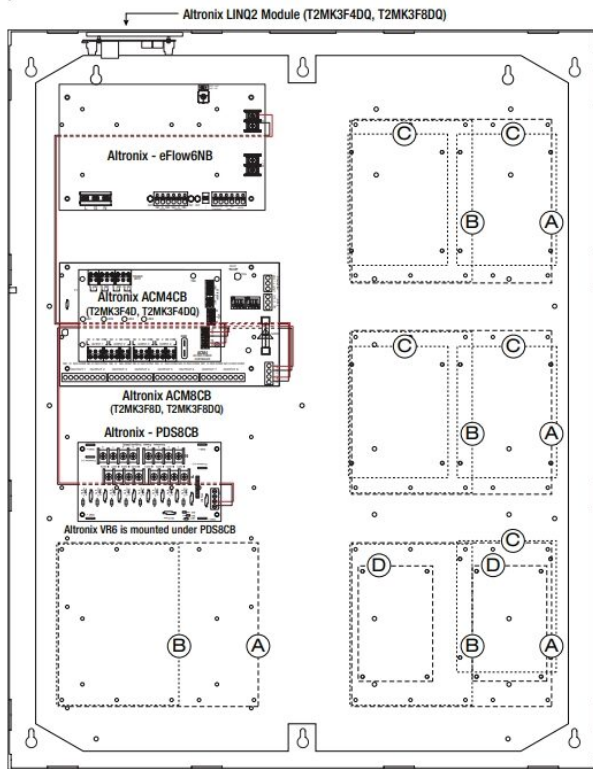
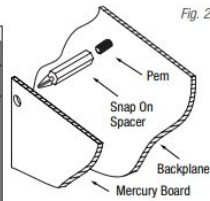


Fig. 2a



Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	A
EP2500, MUX8	B
EP1501, MR51e	C
MR50	D

T2MK7F8D, T2MK7F8Q: Configuration of Mercury Boards

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller (**Fig.3**).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (**Fig.3a**).
3. Mount backplane to enclosure with hardware.

Fig. 3

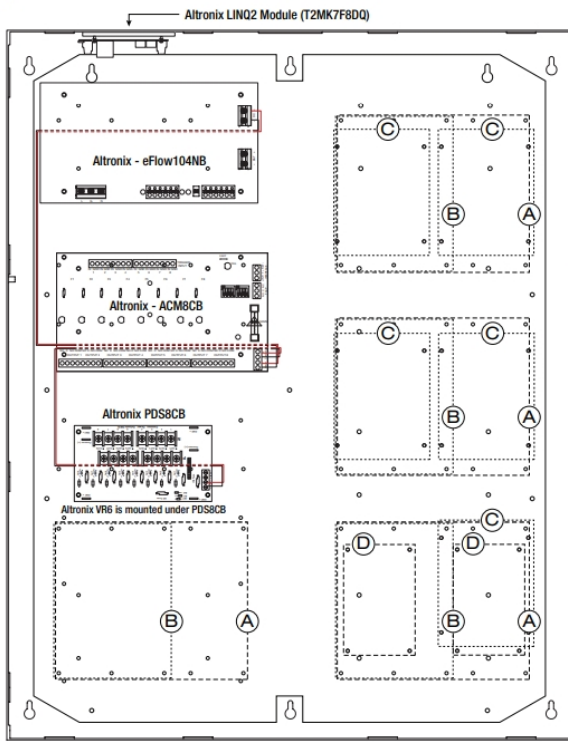
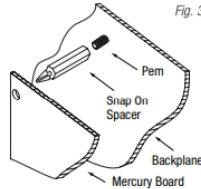


Fig. 3a



Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	A
EP2500, MUX8	B
EP1501, MR51e	C
MR50	D

T2MK75F16D, T2MK75F16DQ: Configuration of Mercury Boards

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller **(Fig.4)**.
2. Position access controller module over corresponding spacers and depress onto snap on spacers **(Fig.4a)**.
3. Mount backplane to enclosure with hardware.

Fig. 4

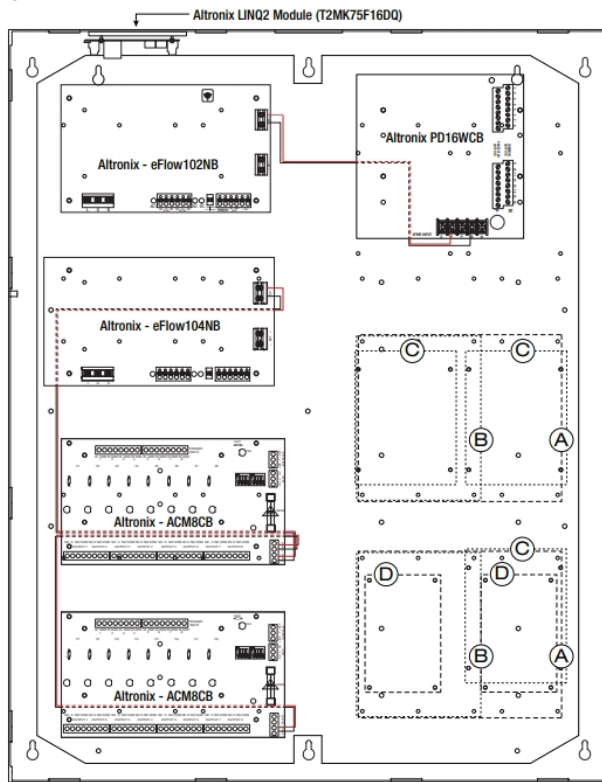
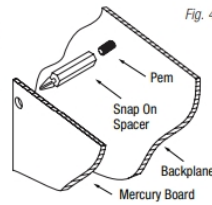


Fig. 4a



Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pcm Mounting
EP1502, MR52, MR16IN, MR16OUT	A
EP2500, MUX8	B
EP1501, MR51e	C
MR50	D

T2MK77F16D, T2MK77F16DQ: Configuration of Mercury Boards

1. Fasten snap on spacers onto metal pems configuration (A), (B), (C) or (D) of backplane depending on the access controller (**Fig.5**).
2. Position access controller module over corresponding spacers and depress onto snap on spacers (**Fig.5a**).
3. Mount backplane to enclosure with hardware.

Fig. 5

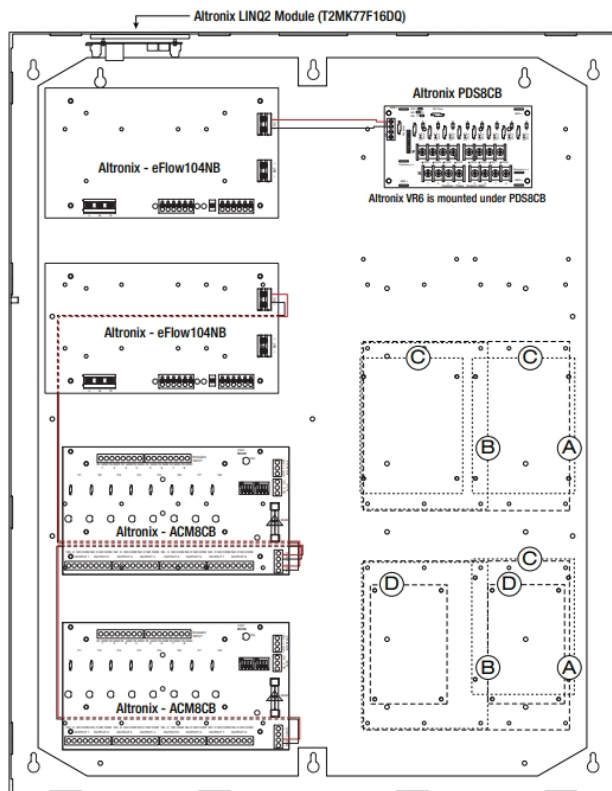


Fig. 5a

Access Controller Position Chart for the Following Models:

Mercury Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	A
EP2500, MUX8	B
EP1501, MR51 e	C
MR50	D

TMV2 (T2MK75F16D, T2MK75F16DQ, T2MK77F16D, and T2MK77F16DQ):

TMV2 accommodates a variety of Mercury boards with or without Altronix sub-assemblies for access systems.

Configuration of Mercury and/or Altronix Boards

Mercury Access Controllers:

1. Fasten spacers onto metal pems configuration (A) (B) of backplane depending on the access controller **(Fig.6)**.
2. Position access controller module over corresponding spacers and depress onto snap on spacers **(Fig.6a)**.

3. Mount backplane to enclosure with hardware.

Altronix Sub-Assemblies and/or Adapters:

1. Fasten spacers to pems which match the hole pattern (C) for Altronix Sub-Assemblies (**Fig. 6, 6a**).
2. Mount boards to spacers utilizing pan head screws provided with the product (**Fig. 6**).

Fig. 6

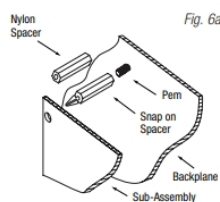
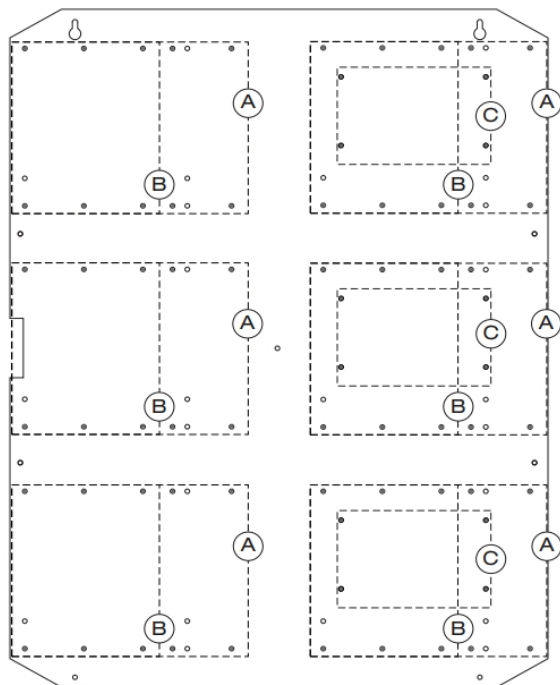


Fig. 6a

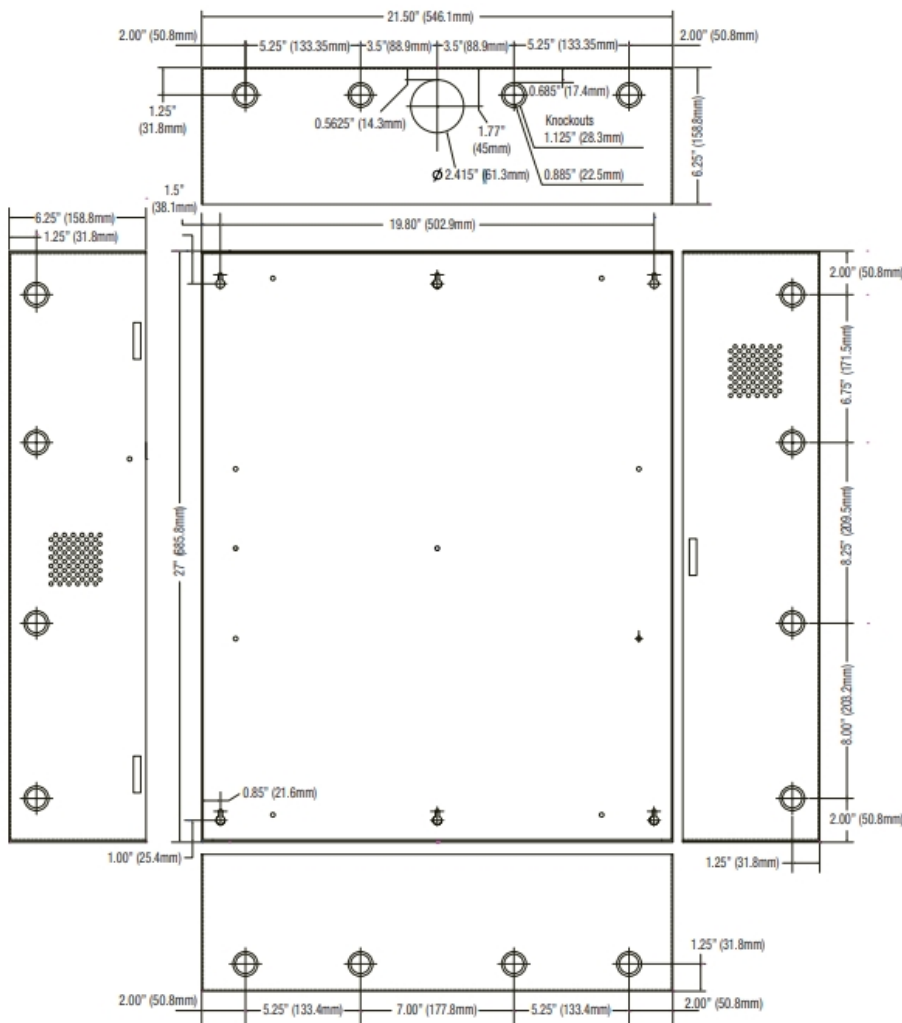
Access Controller Position Chart for the Following Models:

Mercury	
Access Controller	Pem Mounting
EP1502, MR52, MR16IN, MR16OUT	A
EP2500, MUX8	B
Altronix	
Sub-Assembly or Adapter	Pem Mounting
ACM4(CB), MOM5, PD4UL(CB), PD8UL(CB), PDS8(CB), VR6, GB1 (Genetec Synergis Cloud Link adapter plate)	C

Dimensions

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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Rev. TMKD060117

Installing Company: _____

Service Rep. Name: _____

Address: _____

Phone #: _____

Support

Altronix is not responsible for any typographical errors.

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Lifetime Warranty

II Trove2/Mercury PTC Kits

**Documents / Resources**

	Altronix T2MK3F4D Trove2-Mercury Kits with PTC Outputs [pdf] Instruction Manual T2MK3F4D Trove2-Mercury Kits with PTC Outputs, T2MK3F4D, Trove2-Mercury Kits with PTC Outputs, PTC Outputs, Trove2-Mercury Kits
	Altronix T2MK3F4D Trove2-Mercury Kits with PTC Outputs [pdf] Installation Guide T2MK3F4D, T2MK3F8D, T2MK75F16D, T2MK75F16DQ, T2MK3F4D Trove2-Mercury Kits with PTC Outputs, T2MK3F4D, Trove2-Mercury Kits with PTC Outputs, T2MK3F4DQ, T2MK3F8DQ, T2MK77F16D, T2MK7F8D, T2MK75F16DQ, Trove2-Mercury Kits, Mercury Kits

References

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