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Altronix T2AGK3F8 8 Door Kit with Fused Outputs Installation Guide

Access & Power Integration
Altronix/AMAG M4000 Kits
T2AGK3F8 8-Door Kit with Fused Outputs
Installation Guide

Contents

T2AGK3F8 8-Door Kit with Fused Outputs

Models Include:
T2AGK3F8
8-Door Kit with Fused Outputs The fully assembled kit includes:

- Trove2 enclosure with TAG2 Altronix/AMAG backplane
- One (1) eFlow6NB – Power Supply/Charger
- One (1) ACM8 – Fused Access Power Controller

- One (1) VR6 – Voltage Regulator
- One (1) PDS8 – Dual Input Fused Power Distribution Module

T2AGK7F12
12-Door Kit with Fused Outputs The fully assembled kit includes:

- Trove2 enclosure with TAG2 Altronix/AMAG backplane
- One (1) eFlow104NB – Power Supply/Charger
- One (1) ACM8 – Fused Access Power Controller
- One (1) ACM4 – Fused Access Power Controller
- One (1) VR6 – Voltage Regulator
- One (1) PDS8 – Dual Input Fused Power Distribution Module

T2AGK75F12
12-Door Kit with Fused Outputs The fully assembled kit includes:

- Trove2 enclosure with TAG2 Altronix/AMAG backplane
- One (1) eFlow104NB – Power Supply/Charger
- One (1) eFlow102NB – Power Supply/Charger
- One (1) ACM8 – Fused Access Power Controller
- One (1) ACM4 – Fused Access Power Controller
- One (1) PD4UL – Fused Power Distribution Module

All components of this Trove kit are UL Listed as sub-assemblies.
Please refer to the included corresponding Sub-Assembly Installation Guides for further information.
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Rev. TAGK_042319
Installing Company: _____ Service Rep. Name:

_____
Address: _____ Phone #: _____

Overview

Altronix Trove AMAG kits are pre-assembled and consist of Trove enclosures/backplanes with factory-installed Altronix power supply/chargers and sub-assemblies. Kits accommodate up to three (3) AMAG M4000 modules for up to twelve (12) doors in a single enclosure.
Configuration Chart

| Altronix Model Number	Power Supply Board Input Fuse Rating	Power Supply Board Battery Fuse Rating	120VAC 60Hz Input Current (A)	Maximum Supply Current for Main and Aux. Outputs on Power Supply board and ACM4/ACM8 Access Power Controllers' outputs	Nominal DC Output Voltage [DC] Output Range (VDC)	Nominal DC Output Voltage [Aux] Output Range (VDC)	Fail-Safe/Fail-Secure or Dry Form "C" Outputs	Additional Fused Outputs	ACM4 Board Input Fuse Rating	ACM4 Board Output Fuse Rating	ACM8 Board Input Fuse Rating	ACM8 Board Output Fuse Rating	PDS8 Board Input Fuse Rating	PDS8 Board Output Fuse Rating	PD4UL Board Output Fuse Rating
T2AGK3F8	5A/250V	15A/32V	3.5	24VDC @ 5.4A	20.17-26.4	20.28-26.4	8	8	–	–	10A/250V	2.5A/250V	10A/32V	3A/32V	–
T2AGK7F12	6.3A/250V	15A/32V	4.5	24VDC @ 9.4A	20.17-26.4	20.28-26.4	12	8	10A/250V	3A/32V	10A/250V	2.5A/250V	10A/32V	3A/32V	–
T2AGK75F12	eFlow104NB 6.3A/250V	15A/32V	7.5	24VDC @ 9.4A	20.17-26.4	20.28-26.4	12	4	10A/250V	3A/32V	10A/250V	2.5A/250V	–	–	3.5A/250V
	eFlow102NB 5A/250V			12VDC @ 10A	9.7-13.2	10.03-13.2									

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. The product is intended for indoor use only.

1. Remove the backplane from the 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 the 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 the tamper switch wiring to the Access Control Panel input or the appropriate UL Listed reporting device. To activate the alarm signal open the door of the enclosure.
4. Mount AMAG M4000 modules to TAG2 backplane, refer to pages 3-5.
5. Refer to the eFlow Power Supply/Charger Installation Guide for eFlow6NB, eFlow102NB, eFlow104NB, and corresponding Sub-Assembly Installation Guides for the following models: ACM8, ACM4, PD4UL, PDS8, and VR6 for further installation instructions.

Hardware

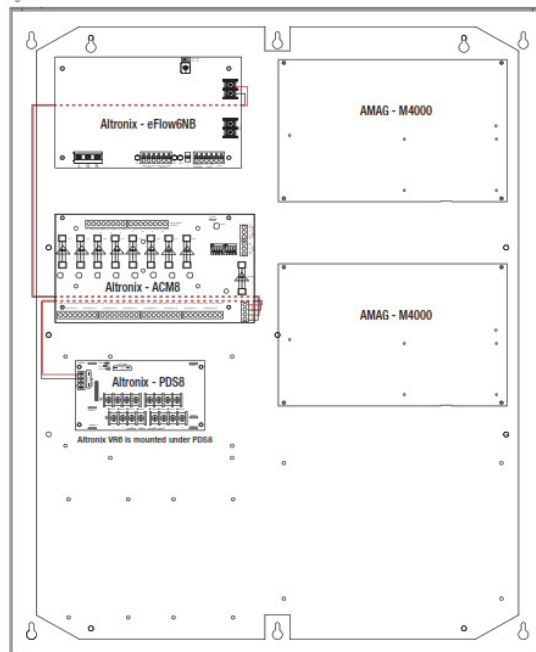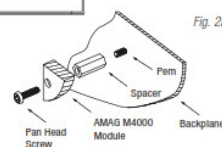|		
Nylon Spacer	5/16" Pan Head Screw	L

Fig. 1
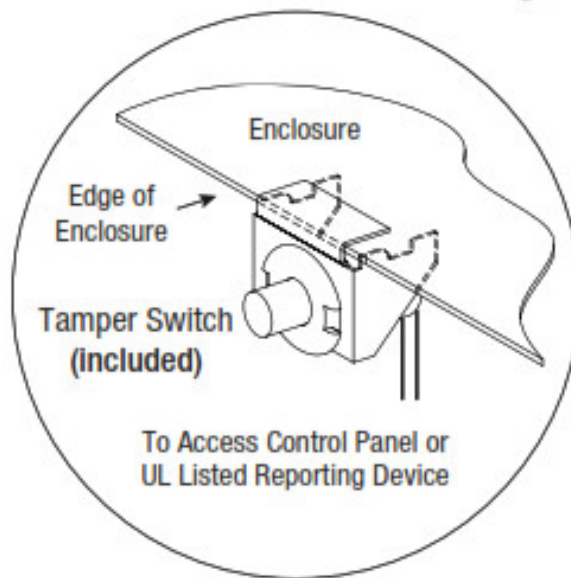
T2AGK3F8: Configuration of AMAG M4000 Modules:

1. Align the AMAG M4000 modules on the backplane to match the boards' mounting holes with the corresponding poems.
2. Fasten spacers (provided) onto metal pets (Fig. 2a, pg. 3).
3. Mount AMAG M4000 modules to spacers utilizing pan head screws (provided) (Fig. 2a, pg. 3).
4. Fasten the TAG2 backplane to the Trove2 enclosure utilizing the hardware (provided).

Fig. 2

Fig. 2a

T2AGK7F12: Configuration of AMAG M4000 Modules:

1. Align the AMAG M4000 modules on the backplane to match the boards' mounting holes with the corresponding poems.
2. Fasten spacers (provided) onto metal poems (Fig. 3a, pg. 4).
3. Mount AMAG M4000 modules to spacers utilizing pan head screws (provided) (Fig. 3a, pg. 4).
4. Fasten the TAG2 backplane to the Trove2 enclosure utilizing the hardware (provided).
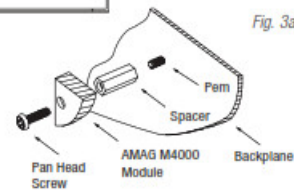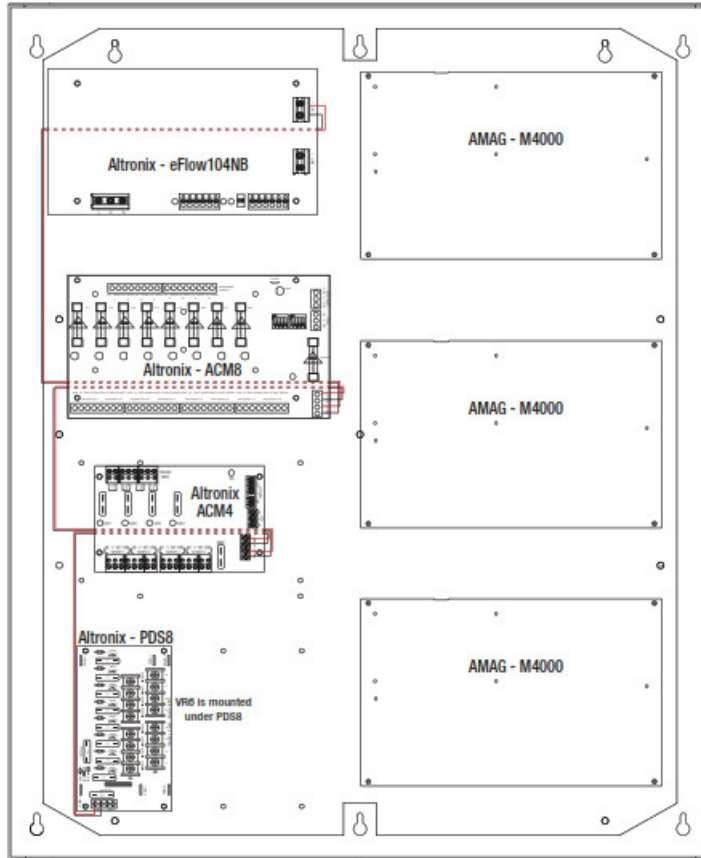

Fig. 3

Altronix - eFlow104NB

Altronix - ACM8

Altronix
ACM4

Altronix - PDS8

VR6 is mounted
under PDS8

AMAG - M4000

AMAG - M4000

AMAG - M4000

Fig. 3a

Pem

Spacer

Pan Head
Screw

AMAG M4000
Module

Backplane

T2AGK75F12: Configuration of AMAG M4000 Modules:

1. Align the AMAG M4000 modules on the backplane to match the boards' mounting holes with the corresponding poems.
2. Fasten spacers (provided) onto metal pets (Fig. 4a, pg. 5).
3. Mount AMAG M4000 modules to spacers utilizing pan head screws (provided) (Fig. 4a, pg. 5).
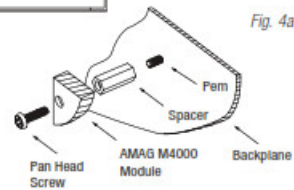4. Fasten the TAG2 backplane to the Trove2 enclosure utilizing hardware (provided).
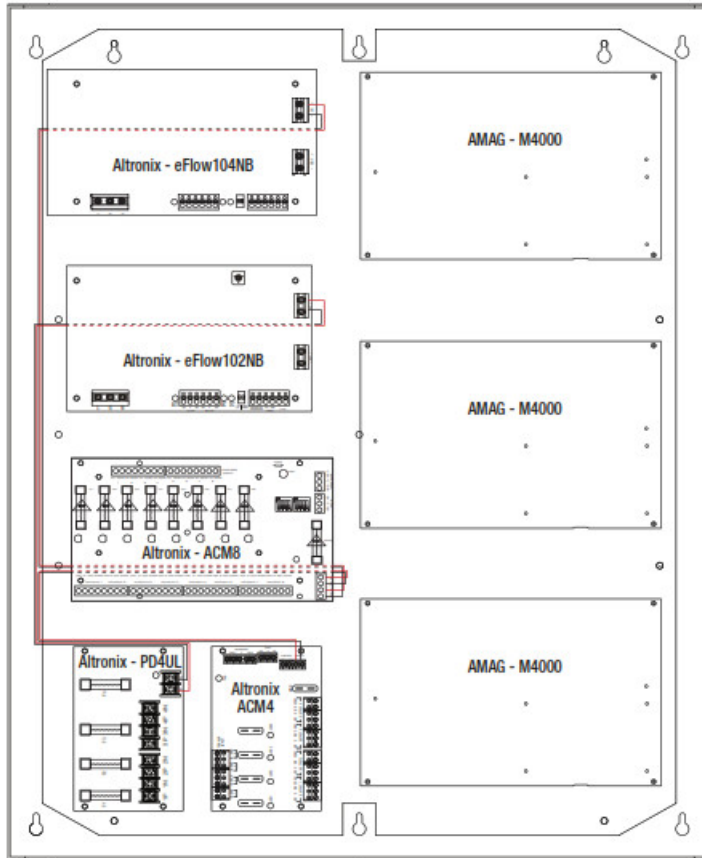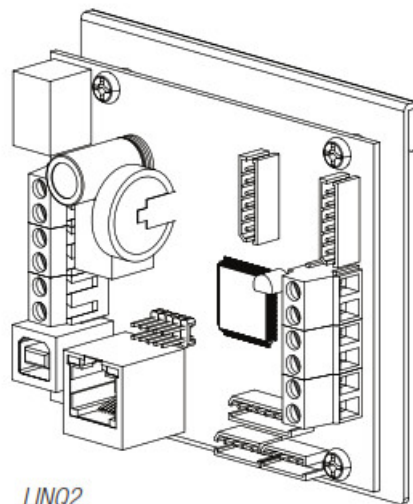
Fig. 4

Altronix - eFlow104NB

AMAG - M4000

Altronix - eFlow102NB

AMAG - M4000

Altronix - ACM8

Altronix - PD4UL

Altronix ACM4

AMAG - M4000

Fig. 4a

Pem

Spacer

Pan Head Screw

AMAG M4000 Module

Backplane

eFlow Power Supply/Chargers can be Controlled and Monitored while Reporting Power/Diagnostics from Anywhere over the Network…


LINQ

LINQ2

LINQ2 – Network Communication Module

LINQ2 provides remote IP access to real-time data from eFlow power supply/chargers to help keep systems up and running at optimal levels. It facilitates fast and easy installation and set-up, minimizes system downtime, and eliminates unnecessary service calls, which helps reduce the Total Cost of Ownership (TCO) – as well as creates a new source of Recurring Monthly Revenue (RMR).
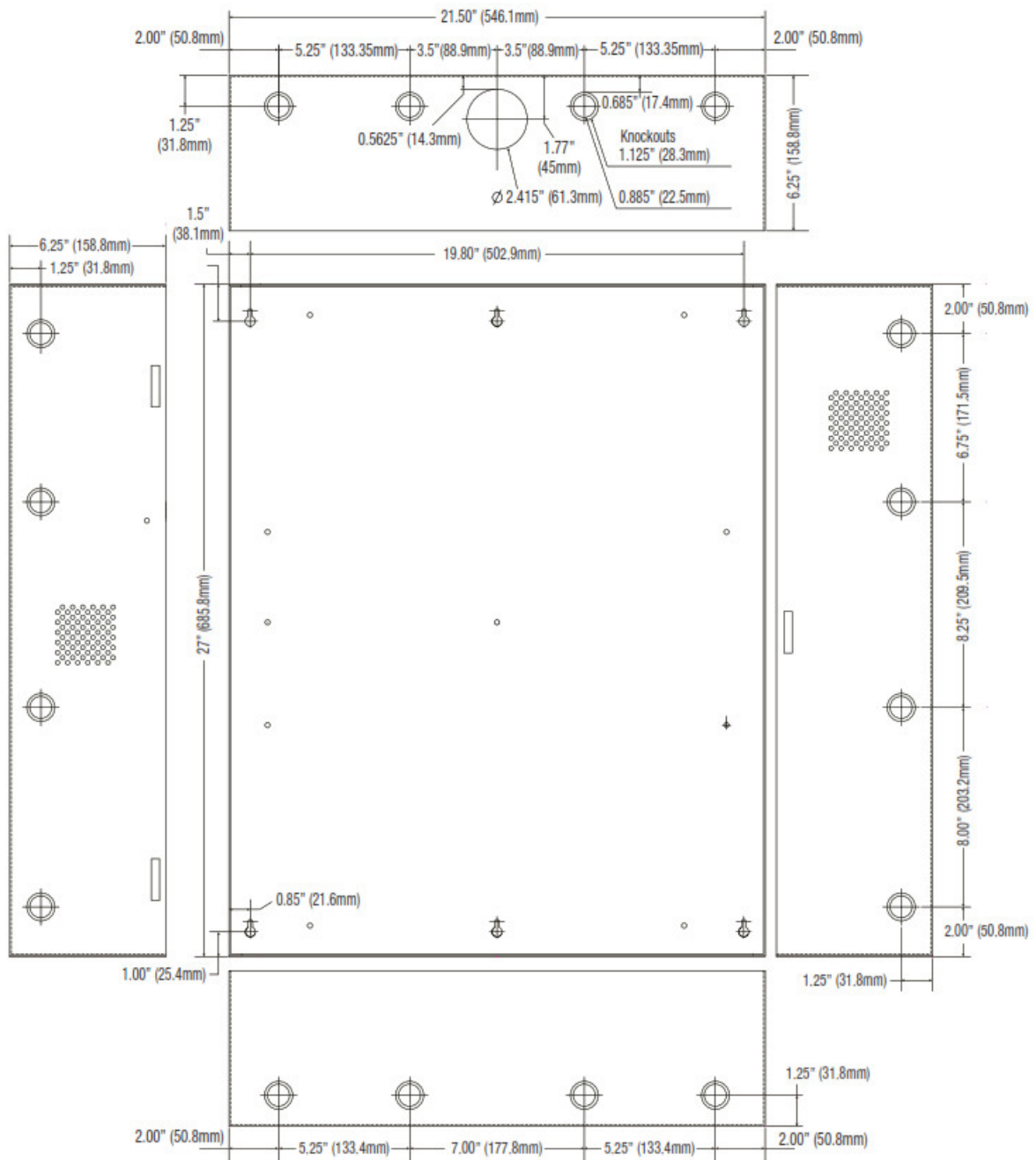
Features

- UL is Listed in the U.S. and Canada.
- Local or remote control of up to (2) two Altronix eFlow power output(s) via LAN and/or WAN.
- Monitor real-time diagnostics: DC output voltage, output current, AC & battery status/service, input trigger state change, output state change and unit temperature.
- Access control and user management: Restrict read/write, Restrict users to specific resources
- Two (2) integral network controlled Form "C" Relays.
- Three (3) programmable input triggers: Control relays and power supplies via external hardware sources.
- Email and Windows Dashboard notifications
- The event log tracks history.
- Secure Socket Layer (SSL).
- Programmable via USB or web browser – includes operating software and 6 ft. USB cable.

LINQ2 Mounts Inside any Trove Enclosure
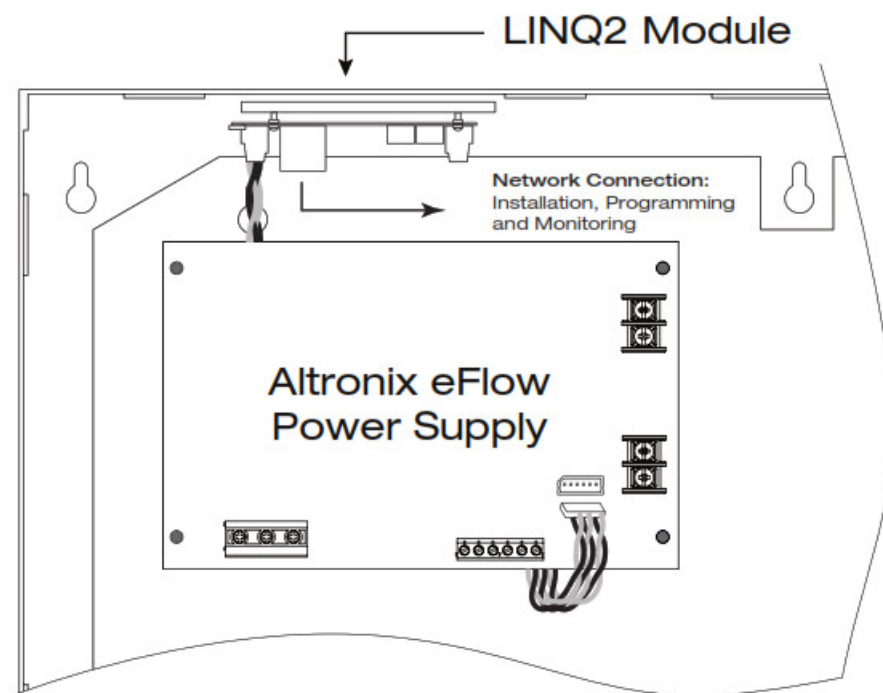
Enclosure Dimensions (H x W x D approximate):
27.25" x 21.5" x 6.5" (692.15mm x 546.1mm x 165.1mm)

Mechanical drawing dimensions:

21.50" (546.1mm)
2.00" (50.8mm)
5.25" (133.35mm)
3.5" (88.9mm)
3.5" (88.9mm)
5.25" (133.35mm)
2.00" (50.8mm)
0.685" (17.4mm)
1.25" (31.8mm)
0.5625" (14.3mm)
Knockouts
1.125" (28.3mm)
6.25" (158.8mm)
1.77" (45mm)
Ø 2.415" (61.3mm)
0.885" (22.5mm)
1.5" (38.1mm)
6.25" (158.8mm)
19.80" (502.9mm)
1.25" (31.8mm)
2.00" (50.8mm)
6.75" (171.5mm)
27" (685.8mm)
8.25" (209.5mm)
8.00" (203.2mm)
0.85" (21.6mm)
2.00" (50.8mm)
1.00" (25.4mm)
1.25" (31.8mm)
1.25" (31.8mm)
2.00" (50.8mm)
5.25" (133.4mm)
7.00" (177.8mm)
5.25" (133.4mm)
2.00" (50.8mm)

Altronix is not responsible for any typographical errors.
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web site: www.altronix.com
e-mail: info@altronix.com
Lifetime Warranty
IITrove AMAG M4000 Kits I17U

MEMBER Trove AMAG M4000 Kits Installation Guide

Documents / Resources

Altronix T2AGK3F8 8 Door Kit with Fused Outputs [pdf] Installation Guide
T2AGK3F8 8 Door Kit with Fused Outputs, T2AGK3F8, 8 Door Kit with Fused Outputs, Door Kit

Altronix T2AGK3F8 8 Door Kit with Fused Outputs [pdf] Instruction Manual
T2AGK3F8 8 Door Kit with Fused Outputs, T2AGK3F8, 8 Door Kit with Fused Outputs, Fused Outputs

References

- **Altronix Home**