

Altronix ACM8

Altronix ACM8 Access Power Controller 8 Fused Trigger

INSTRUCTION MANUAL

1. Introduction

The Altronix ACM8 Access Power Controller is designed to manage power distribution for access control systems. This unit features eight individually fused trigger outputs, providing reliable power and protection for various access control devices. It is suitable for a range of applications requiring controlled power distribution.

2. Product Overview

The ACM8 is a versatile power distribution board, ideal for integrating with access control panels. It provides individually fused outputs, ensuring protection for connected devices. The board is constructed from durable phenolic or fiberglass material and is UL Recognized, meeting UL294 standards for access control system units.



Figure 1: Top-down view of the Altronix ACM8 Access Power Controller board, showing the eight fused outputs, relays, and terminal blocks.

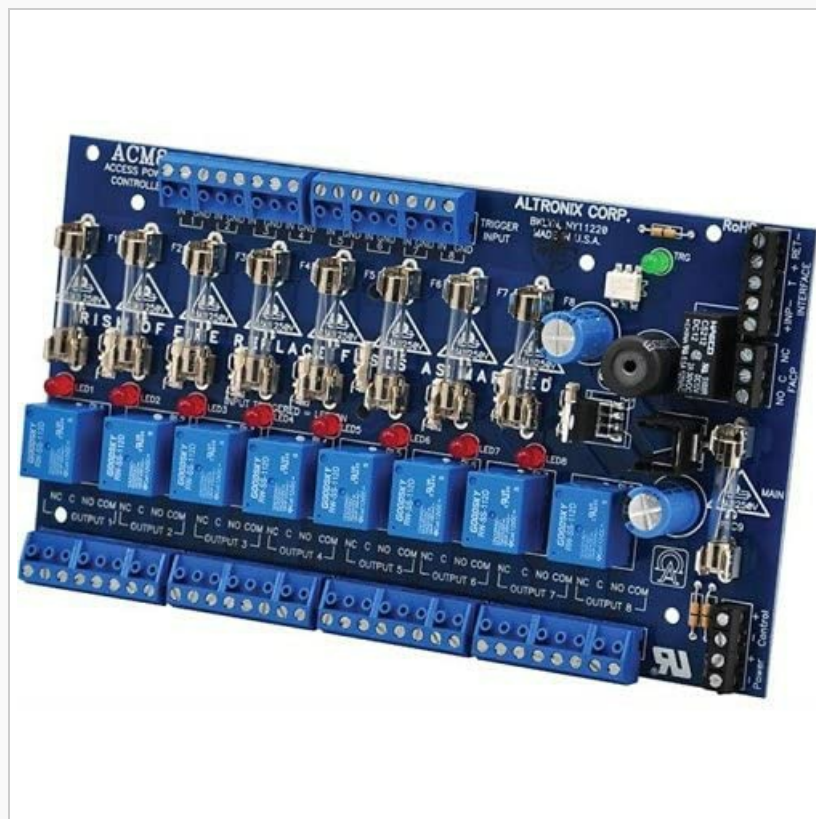


Figure 2: Angled view of the Altronix ACM8 Access Power Controller, highlighting the compact design and component layout.

3. Features

- Eight individually fused outputs for device protection.
- Input Voltage: 12 to 24 Volt AC or DC.
- Output Voltage: 12 to 24 Volt AC or DC.
- UL Recognized and UL294 compliant for access control applications.
- Constructed from durable Phenolic or Fiberglass material.
- Compact dimensions for easy integration.

4. Specifications

Specification	Detail
Model Number	ACM8
Product Dimensions (L x W x H)	8 x 4.5 x 1.25 inches
Input Voltage	12 to 24 Volt AC or DC
Output Voltage	12 to 24 Volt AC or DC
Number of Outputs	8 (Fused)
Material	Phenolic or Fiberglass
Standards	UL RECOGNIZED, UL294
Item Weight	11.2 ounces
Manufacturer	ALTRONIX

5. Setup

1. **Mounting the Unit:** Securely mount the ACM8 board in a suitable enclosure or panel using appropriate hardware. Ensure adequate ventilation if enclosed.
2. **Power Connection:** Connect the main power source (12-24V AC or DC) to the designated input terminals. Observe correct polarity when using a DC input. Refer to the board markings for positive (+) and negative (-) terminals.
3. **Output Connections:** Connect your access control devices (e.g., locks, readers) to the individually fused output terminals. Each output provides power when triggered. Ensure proper wiring for each connected device according to its specifications.
4. **Trigger Input:** Connect the trigger input from your access control panel or other control device to the ACM8's trigger terminals. This signal will activate the corresponding output.
5. **Grounding:** Ensure the unit is properly grounded according to local electrical codes and safety standards.

6. Operating Instructions

1. **Power-Up:** Once all connections are secure and verified, apply power to the ACM8 unit.
2. **LED Indicators:** Each output has an associated LED indicator. When an output is active and power is flowing correctly through its fuse, the corresponding LED will illuminate.
3. **Trigger Functionality:** When a trigger signal is received at the input, the ACM8 will activate the designated output, providing power to the connected access control device.
4. **Fuse Monitoring:** The LED indicators also serve as a visual check for fuse integrity. If an LED is off when the output should be active, it indicates a potential blown fuse or a wiring issue to the connected device.

7. Maintenance

- **Regular Inspection:** Periodically inspect all wiring connections to ensure they are secure and free from corrosion or damage.
- **Fuse Replacement:** If an output fuse blows, always replace it with a fuse of the same type and rating (e.g., 250V, 2A). Using an incorrect fuse can damage the unit or connected devices.
- **Cleaning:** Keep the unit free from dust and debris. Use a dry, soft cloth for cleaning. Do not use liquid cleaners or solvents.
- **Environmental Conditions:** Ensure the operating environment remains within specified temperature and humidity ranges to prevent malfunction.







8. Troubleshooting

- **No Power to Any Outputs:**
 - Verify that the main input power supply is active and correctly connected to the ACM8.
 - Check the main fuse (if applicable to your power supply) and ensure it is intact.
- **Individual Output Failure (LED off when active):**
 - Check the specific output fuse for the affected channel. Replace if blown.
 - Verify the wiring to the connected device for shorts or disconnections.
 - Ensure the trigger signal for that specific output is being received correctly.
- **Intermittent Operation:**
 - Inspect all terminal connections for looseness.
 - Check for voltage fluctuations from the input power supply.

9. Warranty and Support

For detailed warranty information, technical assistance, or to inquire about service, please contact Altronix customer service directly or visit the official Altronix website. Keep your purchase receipt for warranty claims.

Related Documents - ACM8

	<p>Altronix Trove2/Mercury Kits with Fused Outputs Installation Guide</p> <p>Installation guide for Altronix Trove2/Mercury kits, detailing various fused output models, configuration options, and assembly instructions for access control systems. Includes overview, configuration charts, installation steps, and enclosure dimensions.</p>
	<p>Altronix T2PXK78 & T2PXK78D Trove Paxton Access & Power Integration Kit Installation Guide</p> <p>Comprehensive installation guide for Altronix Trove Paxton kits (T2PXK78, T2PXK78D). Learn how to set up advanced access control and power integration systems featuring Altronix power supplies, controllers, and Paxton Net2 Plus modules.</p>
	<p>Altronix/Trove3 Mercury Kits Installation Guide</p> <p>Comprehensive installation guide for Altronix Trove3 Mercury Kits, detailing models T3MK75F16, T3MK75F16D, T3MK77F16, and T3MK77F16D. Covers product overview, configuration chart, hardware, mechanical specifications, step-by-step installation instructions, and LINQ2 network module features.</p>
	<p>Altronix/DMP 734/734N Wiegand Kits Installation Guide</p> <p>Comprehensive installation guide for Altronix/DMP 734/734N Wiegand Kits, including models T1DMK3F4, T1DMK3F4D, T2DMK7F8, and T2DMK7F8D. It covers kit overviews, component lists, a configuration chart, step-by-step installation procedures, hardware requirements, module mounting diagrams, enclosure dimensions, and information on the optional LINQ2 Network Communication Module. Essential for integrators and technicians setting up Altronix access control power solutions.</p>
	<p>Altronix/Lenel-S2 Trove Kits Installation Guide</p> <p>Installation guide for Altronix/Lenel-S2 (S2 Security Platform) Trove Kits, including T3SSK75F28 (Fused Outputs) and T3SSK75F28D (PTC Outputs) models. Details kit contents, configuration, and installation steps.</p>
	<p>Altronix/Honeywell ProWatch/WinPak Kits Installation Guide - T2HWK78V, T2HWK78DV, T3HWK7516V, T3HWK7516DV</p> <p>Comprehensive installation guide for Altronix and Honeywell ProWatch/WinPak access control kits, including T2HWK78V, T2HWK78DV, T3HWK7516V, and T3HWK7516DV models. Covers product overview, configuration, installation instructions, hardware, and enclosure dimensions.</p>