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› Columbus McKinnon CAM Limit Switch (AD136) User Manual

CM AD136

Columbus McKinnon CAM Limit Switch (AD136) User Manual

Model: AD136 | Brand: CM (Columbus McKinnon)

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Columbus McKinnon CAM Limit Switch, Model AD136. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury or damage.

SAFETY INFORMATION

Always adhere to local electrical codes and safety regulations. Failure to do so may result in serious injury or death.

- Ensure power is disconnected before installation or maintenance.
- Only qualified personnel should install and service this device.
- Do not exceed the specified electrical ratings.
- Protect the switch from excessive moisture, dust, and corrosive environments unless specifically rated for such conditions.
- Verify proper grounding to prevent electrical shock.

PRODUCT OVERVIEW



Image: Front view of the Columbus McKinnon CAM Limit Switch, Model AD136. This industrial electrical component is typically used to detect the presence or absence of an object, or to limit the travel of a moving part in machinery.

The Columbus McKinnon CAM Limit Switch (AD136) is a robust industrial switch designed for precise position sensing in various applications. It features a durable housing and reliable internal contacts, making it suitable for demanding industrial environments.

SETUP AND INSTALLATION

Mounting

1. Select a stable, vibration-free mounting surface.
2. Ensure the switch is positioned to allow proper actuation by the cam or moving part.
3. Use appropriate fasteners to secure the switch firmly. Do not overtighten.

Wiring

- Refer to the wiring diagram provided with the product or on the product label.
- Connect power supply wires to the designated terminals.
- Connect control circuit wires to the appropriate normally open (NO) or normally closed (NC) contacts.
- Ensure all connections are secure and insulated.
- Verify proper grounding.

OPERATING INSTRUCTIONS

The CAM Limit Switch operates by detecting the physical presence or position of a moving object or cam. When the actuator arm is engaged by the cam, the internal contacts change state (e.g., NO contacts close, NC contacts open).

- **Actuation:** Ensure the cam or moving part makes consistent and full contact with the switch's actuator arm.
- **Reset:** The switch will reset to its original state when the cam disengages from the actuator arm.
- **Testing:** After installation, manually actuate the switch to confirm proper electrical response in the control circuit.

MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your CAM Limit Switch.

- **Inspection:** Periodically inspect the switch for physical damage, loose connections, or excessive wear on the actuator arm.
- **Cleaning:** Keep the switch free from excessive dust, debris, and moisture. Use a dry, soft cloth for cleaning. Do not use harsh chemicals.
- **Lubrication:** The internal mechanism is typically sealed and requires no lubrication. Do not attempt to lubricate internal components.
- **Replacement:** If significant wear or damage is observed, replace the switch immediately to prevent system malfunction.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Switch not actuating	Misalignment of cam/object; Damaged actuator arm; Internal mechanical failure.	Adjust cam position; Inspect/replace actuator; Replace switch.
No electrical signal	Loose wiring connections; Incorrect wiring; Blown fuse/tripped breaker; Internal electrical failure.	Check and secure connections; Verify wiring diagram; Check power supply; Replace switch.
Intermittent operation	Vibration; Loose mounting; Worn contacts; Contamination.	Secure mounting; Replace switch if contacts are worn; Clean switch.

SPECIFICATIONS

Attribute	Detail
Model	AD136
Manufacturer	Columbus McKinnon
Type	CAM Limit Switch
ASIN	B00H8UKHLC
Date First Available	May 25, 2025
Typical Application	Position sensing, travel limit in industrial machinery

WARRANTY AND SUPPORT

For warranty information and technical support, please contact Columbus McKinnon directly or refer to their official website. Keep your purchase receipt and product model number (AD136) readily available when seeking support.

Manufacturer: Columbus McKinnon

Website: www.cmworks.com (Example link, actual link may vary)

