

DISPLAY_® DEVICES

Motorized Lens Shutter

Installation Manual



READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

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Thank you for purchasing this Display Devices product. We're sure your customer will enjoy this video accessory for years to come. Our products are designed to be maintenance-free, saving you future service time. If you experience any difficulties, please contact us at 303-412-0399. Thank you for your support.

It is the responsibility of the dealer installer to ensure this product is properly supported and meets all local building codes. This is a minimum requirement. Follow any local or state codes that apply to your specific area.

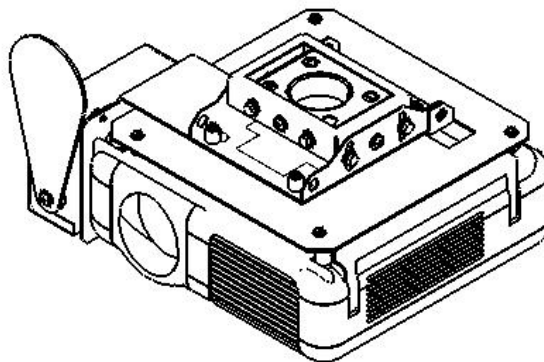
The Motorized Lens Shutter is a motorized device, which rotates a paddle to reveal the lens of a projector. It is designed for integration with Display Devices PCM Mounts, or as a stand-alone unit mounted directly to the projector. The Motorized Lens Shutter can be oriented to mount anywhere there is space, as close to the lens as possible. Various shutter paddles lengths and sizes are available through Display Devices for your specific projector or application.

Tools required:

- Philips Head Screwdriver
- Wire-management tools (stripper/crimper, etc.)
- 3/32" Allen wrench
- 5/32" Allen wrench
- 5/16" open-end wrench
- Velcro or double-stick tape (optional)

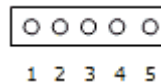
Installation

Figure A



- 5.) If more than 180 degrees of rotation is required, further disassembly of the unit will be needed. Referring to Figure B, loosen and remove the #4 socket head screw which clamps the main shaft to the motor shaft. Remove the shutter paddle from the main shaft using a 5/32" Allen wrench. Remove (4) #6 hex nuts holding the motor mounting bracket and bearing bracket. Remove (2) #4 socket head screws holding the switch trips to the main shaft. Rotate the switch trips so as to obtain more than 180 degrees of rotation. Retighten all hardware and re-assemble the unit. Disassembly is required in order to avoid bending of the switch lever arms. As usual, be careful of the delicate nature of the lever arms when performing these tasks.
- 6.) Lastly, set the shutter paddle to either the open or closed position using a 5/32" Allen wrench.
- 7.) Run the necessary power wires to the location of the shutter unit. See the pin-out diagram below.

Powering the Motorized Lens Shutter



Pin1: +12 VDC
Pin 2: ground
Pin 3: relay
Pin 4: relay
Pin 5: not used

Shorting pin 3 to pin 4 moves the shutter to the CCW position. Opening pin 3 to pin 4 moves the shutter to the CW position.