MODEL 4300 JAMB MOUNT INSTALLATION GUIDE

POWER ACCESS
www.power-access.com
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STEP 1

Prop the door in the open position. If possible, open a little further than 90 degrees.

STEP 2

On a work bench or table, cycle the unit so the arm is in the full open position, about 105 degrees. To do this:

- Remove the cover
- Supply temporary power to the unit and give it an operate signal across the low voltage terminals marked "SW IN" WHT and BLK; if wireless, give it a signal with a wireless control.
- It may be necessary to adjust load sensitivity by turning the small brass screw on main PC board CW in order for arm to achieve full open position.

When arm is in full open position, turn toggle switch to "Off" and disconnect power. Then remove the finger guard.

Cycling the unit when it is unmounted is potentially dangerous as hands and other objects could get caught in the mechanism. Please exercise extreme caution.

STEP 3

Install the slide mounting bracket to the upper part of the jamb (hinge side) with (2) #10 1-1/2" sheet metal screws provided.

STEP 4

Slide the unit onto the slide mounting bracket until the arm roller is snug against the propped open door. To secure the opener, drill the remaining (3) #10 1-1/2" sheet metal screws through the holes in the underside of the frame and into the door frame header.

STEP 5

Install the stainless steel scuff plate on the door with the #8 ½" sheet metal screws provided. Manually open the door to be sure it opens to desired location and moves freely. Re-install the finger guard. If necessary, replace the latch strike plate with the blank plate provided.

STEP 6

Complete electrical hook up. Opener shall be provided a 115 VAC grounded outlet, or hard-wired in accordance with local codes. When power is first turned on, you will hear the unit cycle once. The unit is now ready to be tested and adjusted.

STEP 7

There are only (2) field adjustments on the printed circuit board.

First is the "Time Hold Open":

- Black screw located in the middle of the circuit board
- Adjust amount of time the unit stays open from 0 – 30 sec
- Turn potentiometer CW to increase amount of time, CCW to decrease amount of time
- Unit comes with preset 7 second hold open

STEP 8

Second field adjustment on the printed circuit board is the "Load Sensitivity Adjustment":

- Built-in safety feature that stops the arm from opening the door if it hits an obstruction during the opening cycle.
- Small brass screw located on circuit board next to the transformer
- Turn screw CCW to minimum setting (most sensitive, door will likely not open)
- Now turn the screw CW in half-turn increments until the door achieves an open position

Test that the motor stops and the arm returns to the closed position by manually stopping the door during open cycle.

STEP 9

Install the controls. Wall mounted controls must be mounted so that the door to be powered is visible from the control location. Wireless or wired are available.

- Wireless controls require the use of a Model 4470 radio receiver (installed prior to shipment). Match the set of 10 switches on the circuit board of the wireless controls to the set of 10 switches on the radio receiver in the unit. In order to properly communicate, both sets of 10 switches must be in the exact same positions (on/off or up/down).
- When using wired wall controls, drill a small hole in the jamb or wall near the point where the power cord from the unit is located, and a small hole through the back cover of the opener, to permit routing of the low voltage wire from the controls to the unit.

Two or more units may be hooked up to be used simultaneously from one input by wiring the black and white switch terminals in parallel, or by ensuring the 10 dip switches for all wireless controls match those on the radio receivers in the units.

STEP 10

Re-install the cover using the (2) hex head screws. Be sure to securely tighten to avoid vibration noise.

NOTES:

A closer is required on the other side of the door to complete the open/close cycle due to the passive nature of our opener. The benefits of that design are limited wear-and-tear over time on the individual components, which therefore leads to minimal servicing and maintenance repairs over time.

MAINTENANCE

The opener requires very little maintenance. Once a year, the actuator screw should be wiped down and lubricated with a 90-lb. grease. Remove excess grease to prevent slinging.

MODEL 4300 JAMB MOUNT INSTALLATION PHOTOS

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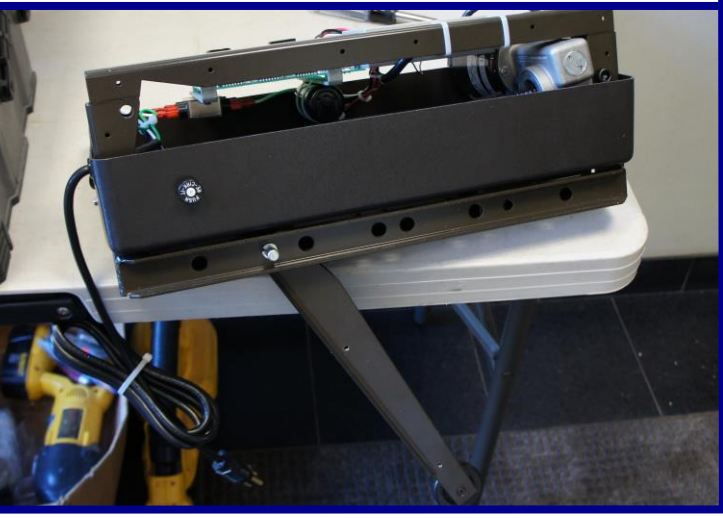
STEP 1: Prop the door in the open position and ready your work station.

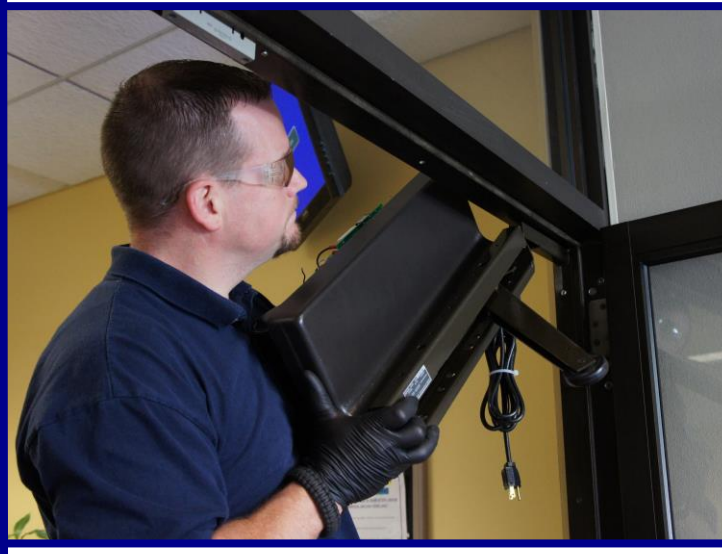
STEP 2: Cycle unit so arm is in the full open position, about 105 degrees.

Turn toggle switch to "Off" and disconnect power. Then remove the finger guard.



STEP 3: Install the slide mounting bracket.

STEP 4: Slide the unit onto the slide mounting bracket.



Secure opener to door frame header with screws provided.

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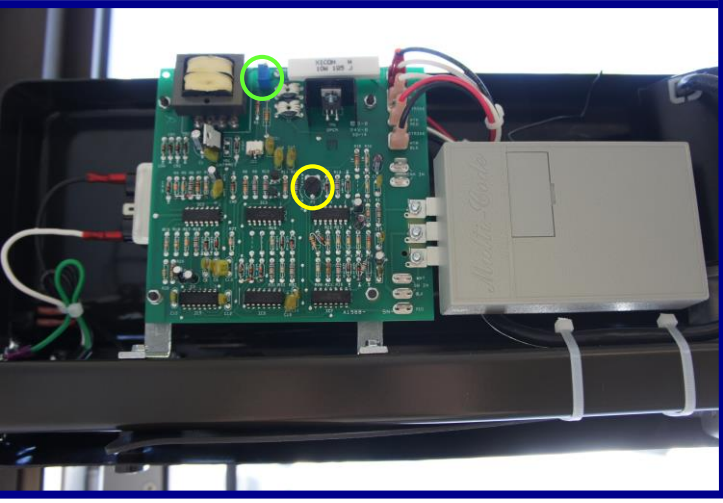
STEP 5: Install the stainless steel scuff plate on the door.

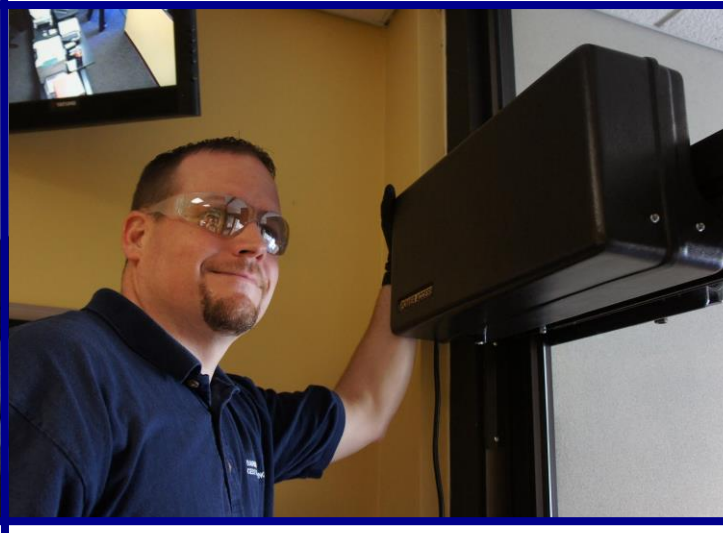
STEP 6: Re-install finger guard, then complete electrical hook up.

STEP 7-8: If necessary, perform field adjustments to sync the unit. The (2) field adjustments on the printed circuit board are "Time Hold Open" and "Load Sensitivity Adjustment".



STEP 9: Install the controls.

STEP 10: Re-install the cover.



NOTES: *A closer is required on the other side of the door to complete the open/close cycle due to the passive nature of our opener. If necessary, install the closer at this point.*