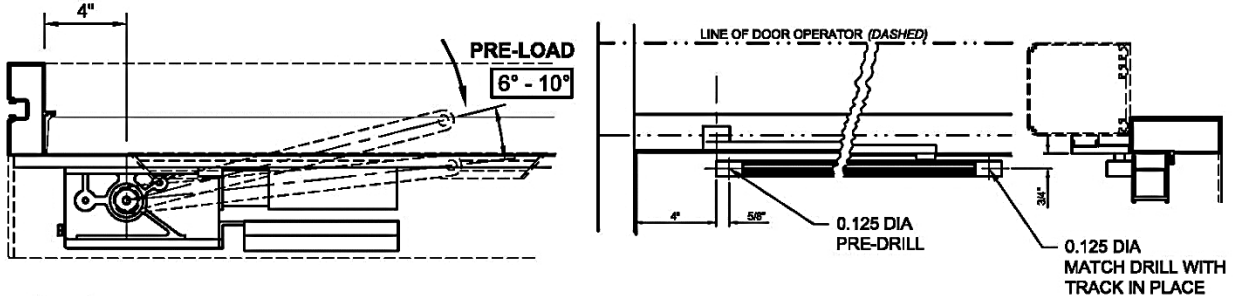


DEVICES COVERED IN THIS DOCUMENT: **8400 Pull Track Arm**

**STEP 1 - ARM PRE-LOAD** - Arm installation to be completed prior to powering up the operator



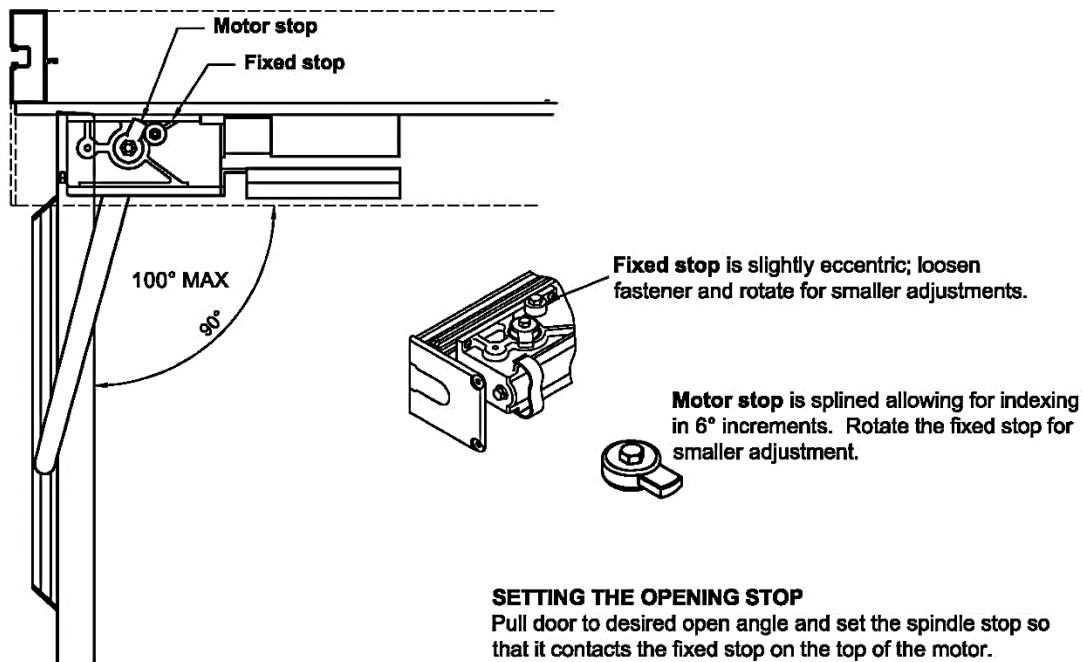
**NOTE:**  
With **NO** power applied to the operator, attach the main arm to the motor allowing for a minimum of 6° pre-load and push with motor resistance to make the final connection to the door portion. Arm spindle adaptor has splines to allow for adjustment in 6° increments.

**STEP 2 - SWING DIRECTION**



After attaching the arm if the operator does not close slowly when opened manually, the handing direction will need to be changed. With no power applied, slide switch to to change direction.

**STEP 3 - OPEN STOP** - Set the adjustable stop prior to conducting a calibration run.



**SETTING THE OPENING STOP**

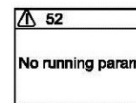
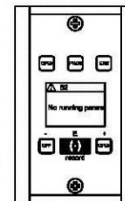
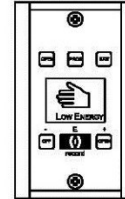
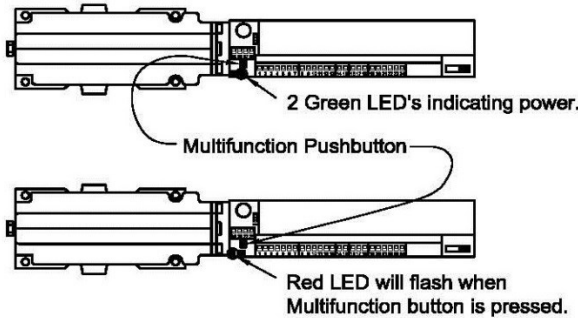
Pull door to desired open angle and set the spindle stop so that it contacts the fixed stop on the top of the motor.

Building and safety codes for entrance products and hardware vary widely. Operators are set for LOW ENERGY USA / ANSI156.19. Any variation in this setting will require AAADM certification. Hager Co recommends reviewing local codes for your specific application and assumes no responsibility. These drawings are for reference only. Hager Co reserves the right change these drawings when deemed necessary for improvement. Hager Co 2012

**STEP 4 - RESET and CALIBRATION**

- Verify arm installed correctly and door operates properly mechanically.
- Apply 120VAC power to operator to allow for reset and calibration of operator.

Upon powering up the display at the end of the operator should read "LOW ENERGY" and two green LED's will light up.



**NOTE: IF PAIR OPERATOR REST MASTER FIRST THEN SLAVE.**

**RESET:**

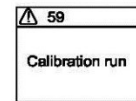
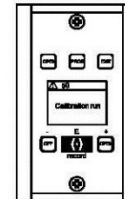
- Press and HOLD multifunction button for (8) red flashes.
- Display will reset and message ⚠ 52 "No run param" will appear.

**NOTE:** On pair units you will need to set the slave control in programing after the resting process. Press and hold multifunction button for (4) red flashes. The display will change to the programing menu. Using "+" button scroll down to "Param Slave" / press Record button then scroll down to "Control Panel" / press Record button / Mech Panel – press Record button / scroll up to 3 POS Auto and press Record button to select / press "PROG" button until the exit programing screen is displayed / press Record button to exit.

**CALIBRATION:**

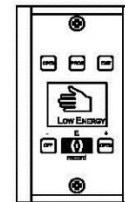
- Door **MUST** be calibrated before applying an activation.
- Verify the door is unlocked.
- Press and HOLD multi function button for (3) red flashes.
- Display will read ⚠ 59 "Calibration run".
- Door must complete one complete cycle with no obstructions.
- Display will show hand and "Low Energy"

**NOTE: IF PAIR OPERATOR CALIBRATE MASTER FIRST THEN SLAVE.**



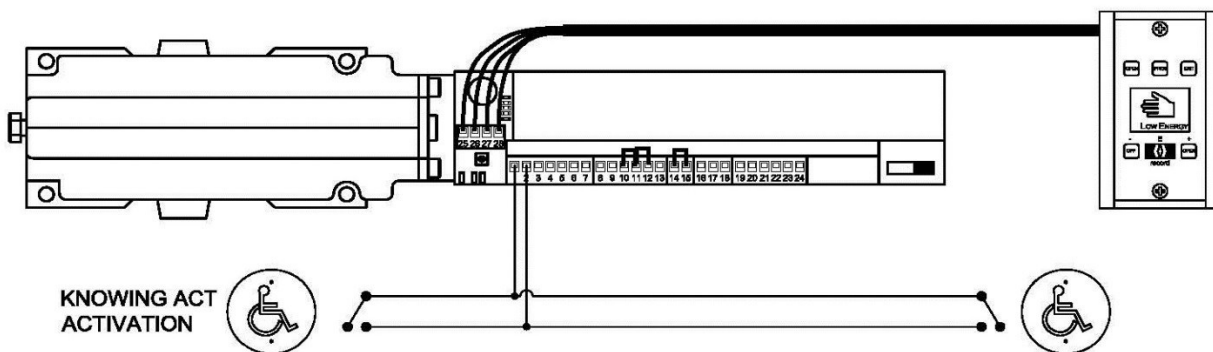
**VERIFY CALIBRATION:**

- With the door unlocked Press the multifunction button for (1) red flash.
- Door will swing to full open and return to closed position.



**ACTIVATION:**

- Connect wires from push button to terminals 1 and 2.



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