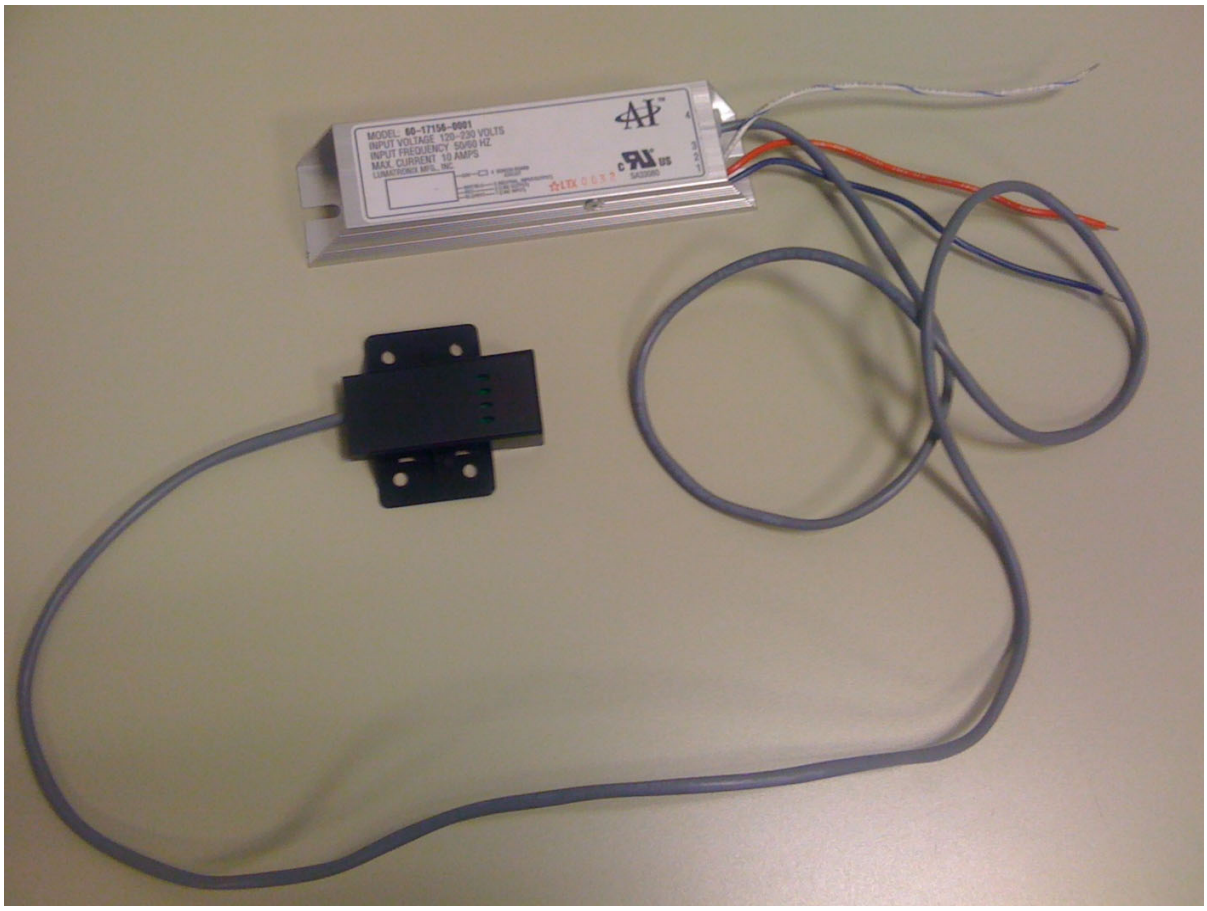
Anthony

Anthony Smart Controller
Installation Instruction

(For All 101, 401, 1001 Model Frames)



IN - 0031

Anthony Smart Controller
Installation Instruction for All 101, 401, 1001 Model

The purpose of this document is to provide a guide for easier installation of the Anthony Smart Controller

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BEFORE YOU BEGIN
Read instructions completely and carefully.

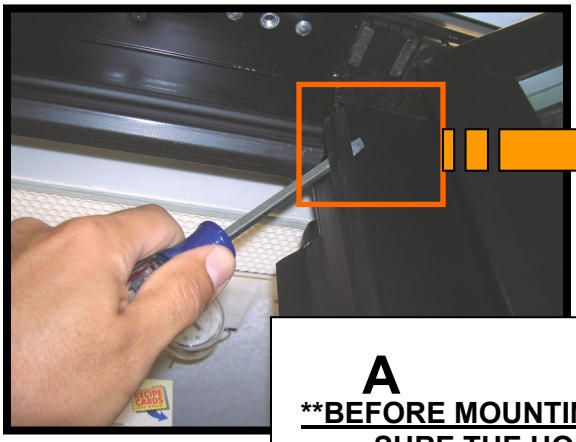
WARNING: TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK OR INJURY, OBSERVE THE FOLLOWING:
1) Use this unit in the manner intended by the manufacturer.
2) Switch power off before servicing or cleaning.

1.Features and Updates

1. Features
    a. Controller units and sensor Plug and Play
    b. Adjustability for Controller
2. Updates
    a. Connection improvements have been made for Serviceability (Plug and Play connectors)

2.Controller Unit Installation for 101

Note Connection improvements have been made for Serviceability (Plug and Play connectors)
See Steps A - K



A

****BEFORE MOUNTING SENSOR ON FRAME, MAKE SURE THE HOLD OPEN ARM DOES NOT INTERFERE WITH THE SENSOR LOCATION**

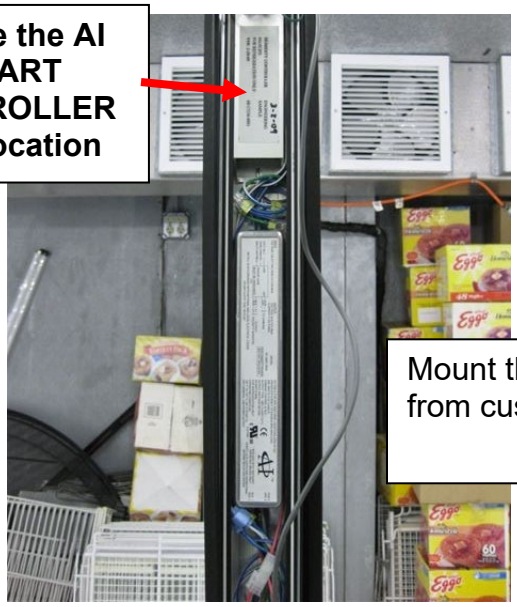
B

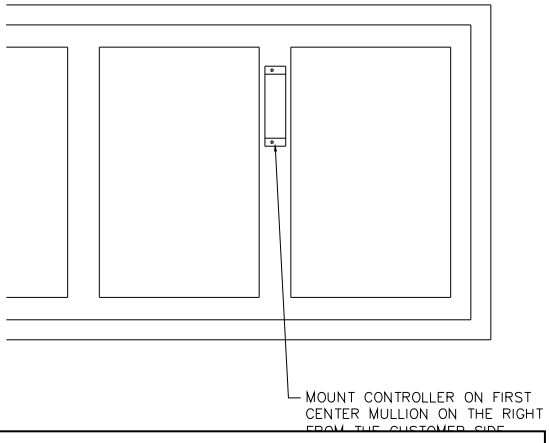
Remove sealing plate by inserting a flat screwdriver under the retaining strip starting at the top as illustrated.

****VISTA DOORS ONLY – IF SMART CONTROLLER DOES NOT FIT INSIDE MULLION. THE TECHNICIAN MUST INSTALL THE SMART CONTROLLER UNIT REMOTELY OUTSIDE THE FRAME.**

C

Locate the AI SMART CONTROLLER Unit location

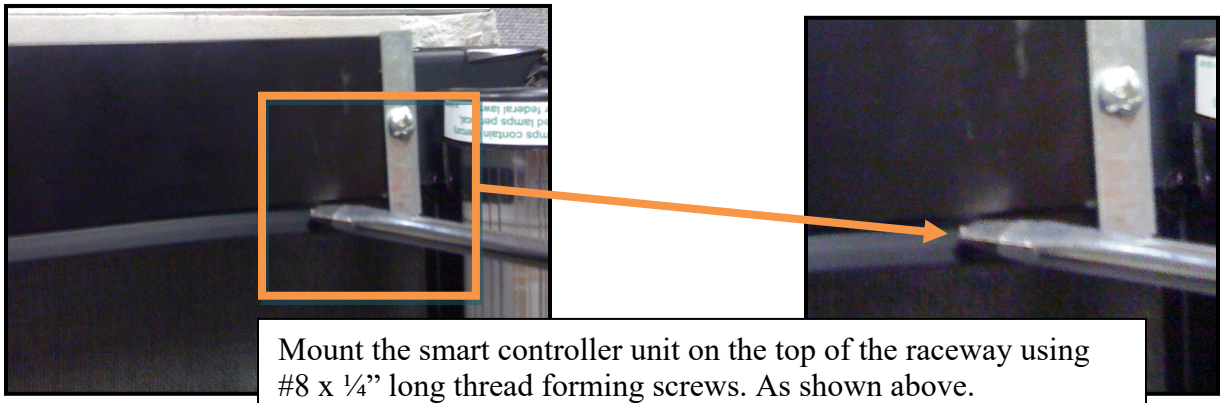




Mount the smart controller unit on the first center mullion on the right from customer side using self tapping screws. As shown above.

****BEFORE MOUNTING SENSOR ON FRAME, MAKE SURE THE HOLD OPEN ARM DOES NOT INTERFERE WITH THE SENSOR LOCATION**

Controller Unit Installation for 401, 1001



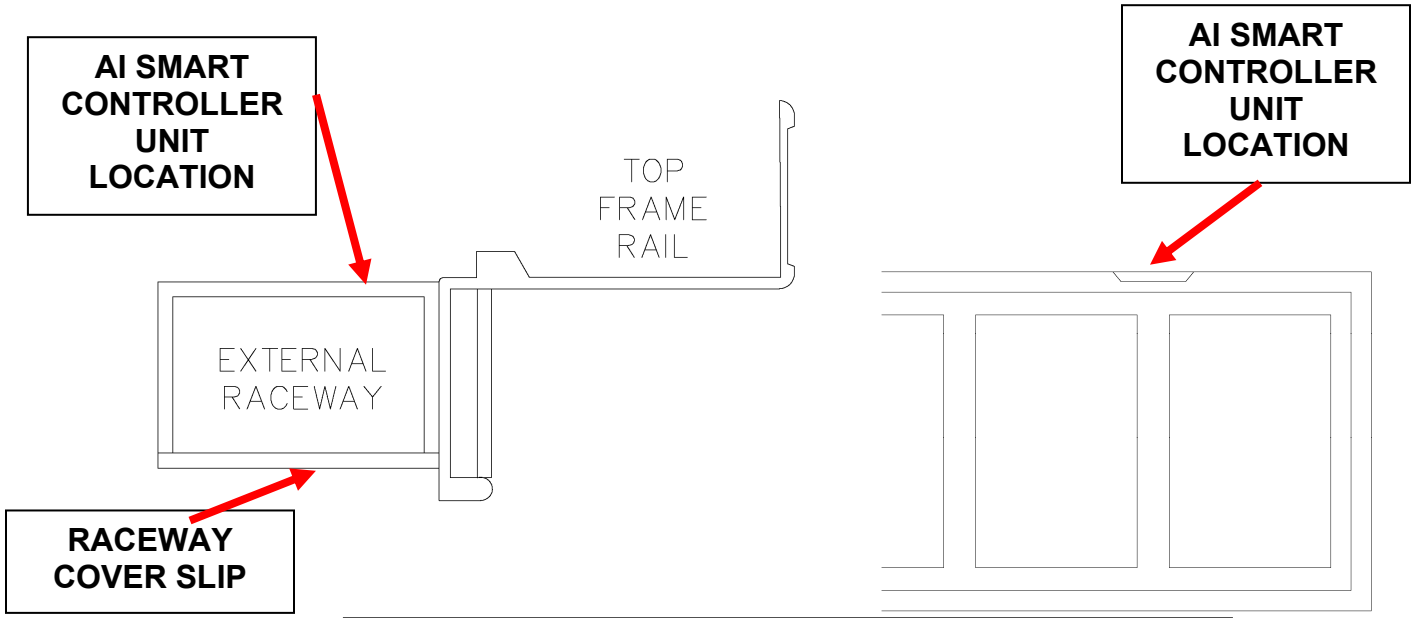
Mount the smart controller unit on the top of the raceway using #8 x ¼" long thread forming screws. As shown above.

D

Remove raceway cover slip by inserting a flat screwdriver under the retaining strip starting at the top as illustrated. Raceway located directly behind frame rail.

E

Remove raceway slip as needed. Remove raceway bracket with Phillips screwdriver if needed.

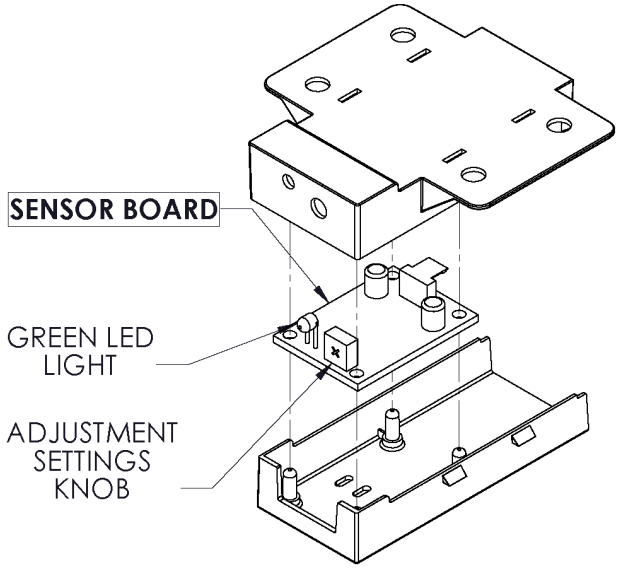


F

Mount the smart controller unit on the raceway, on center, where the mullion on the right from customer side using self tapping screws.

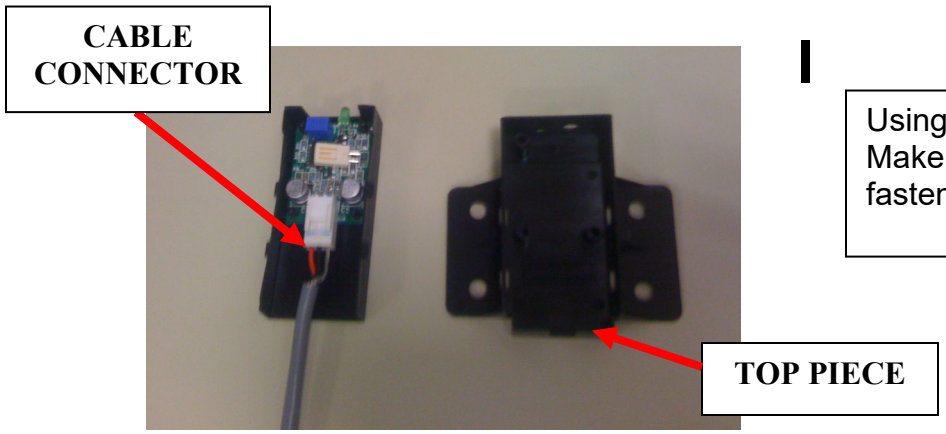
3.Sensor Board and Plastic Housing Installation

STANDARD HOUSING INSTALLATION



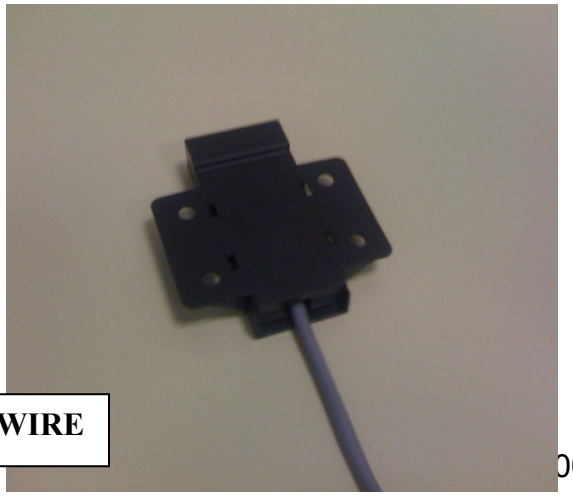
H

Align the sensor board holes with the housing mounting holes. Connect the gray wire connector into the sensor board circuit as shown.



I

Using the Plug and Play connectors, Make sure the gray wire is securely fastened to the sensor board.



J

Close the top cover piece into the bottom housing piece. Be sure the gray wire exits the back as shown in the left picture.

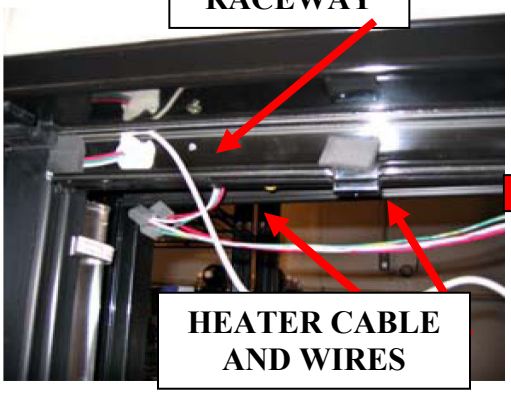
K

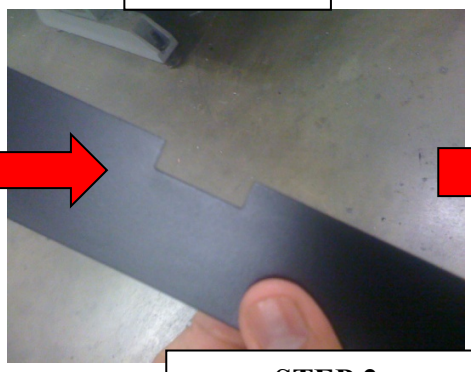
When fastening the top and bottom housing, you should hear four clicks due to the snap on feature.

4.Standard Frame & Sensor Preparation

STEP 1

- Begin wiring the smart controller following the wiring schematic on page 5.
- The sensor cable must travel from the center mullion to the top of the channel shown below .



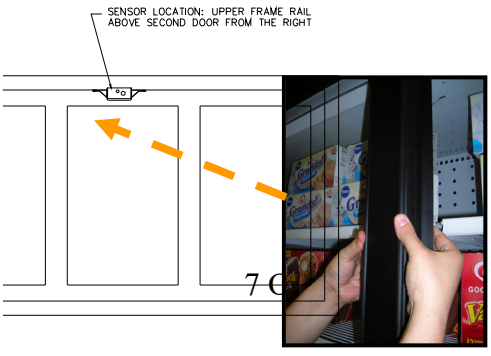


STEP 2

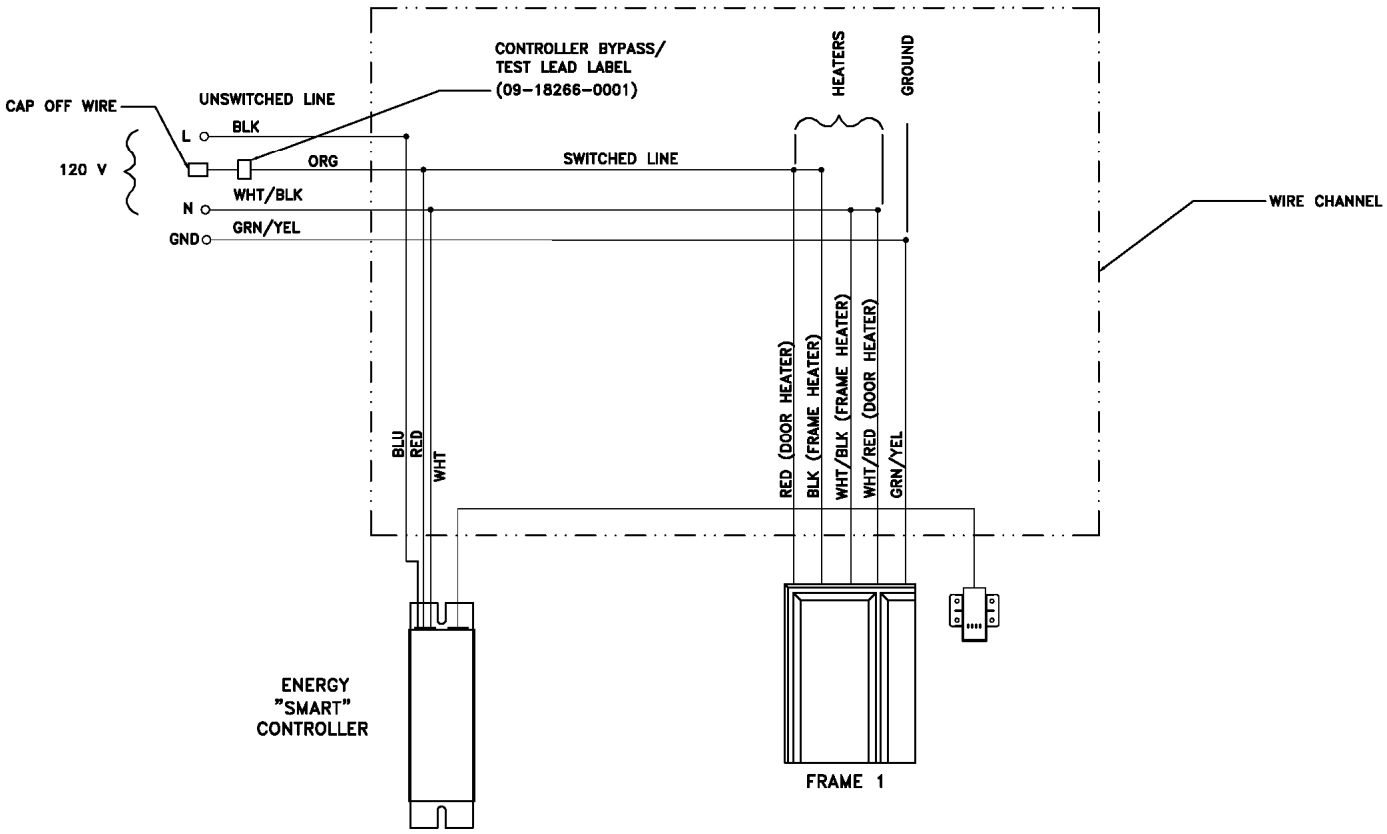
- Cut a ¼" X 1" rectangular cut on the contact plate to allow for passage of the sensor cable.
- Apply a ¾" X 2 ¼" piece of seal foam with a cut slit for wire placement on the contact plate to prevent air intake/outtake.
- Insert the sensor cable into the cutout and replace the sealing plate to the frame.

STEP 3

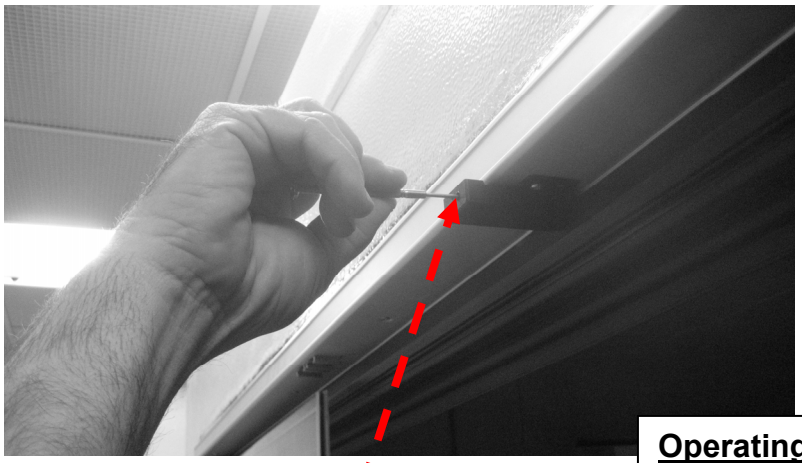
- Push the excess sensor cable back through the channel, reducing the slack.
- Seat the sensor (see figure for location) until flush to the frame flange, pushing it as far back as possible.
- Using self-drilling screws, mount the sensor housing to the inner frame of the door system.
- Reinstall the sealing plates.



5.Wiring Schematic

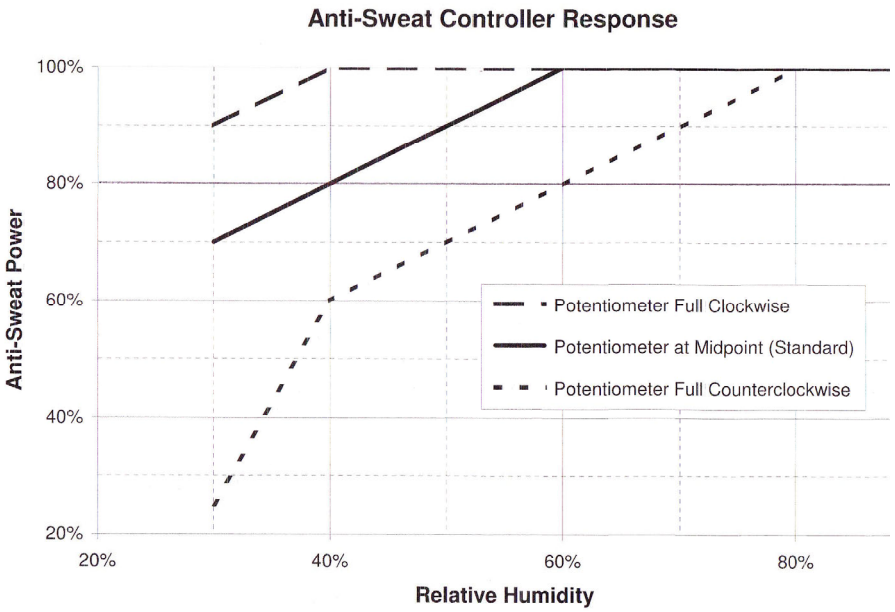


6.Adjustment Settings



Operating Instructions:

The green light indicates when power is being applied to the unit. The controller is pre-set for standard operating conditions, but may be adjusted with a potentiometer to accommodate colder or warmer refrigerators. Turn the potentiometer clockwise, using a small screwdriver, to provide more heat, or counterclockwise to provide less heat, at a



7.Specifications

MODEL: 60-17156-0001

INPUT VOLTAGE: 120 – 230 VOLTS
INPUT FREQUENCY 50/60 HZ
MAX. CURRENT 10 AMPS
UL CERTIFICATION NUMBER: SA33080
WIRE COLORS ARE: GRAY, WHITE/BLU, RED AND BLUE/WHITE

8.Revison

REV	Originator	Description of change	Effective Date	
A		Initial release		
B		Reformat	7/27/2010	
C		Reformat	11/03/2010	
D		Reformat	03/15/2011	
E	Sam Fisher	Reformat	03/05/2012	
F	Sam Fisher	Reformat & new logo	05/21/2013	
G	KHolst	Add purpose & organized workflow	03/13/2019	