Anthony Smart Controller Installation Instructions

(For all 101, 1001, 401 Model Frames)

IN-0031

Table of Contents

Safety and Warnings

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) Before servicing or altering, switch power off.

FOR YOUR SAFETY
Read and observe all CAUTIONS and WARNINGS shown throughout these instructions. While performing installations described; gloves, safety glasses or goggles should be worn.

PREPARE ELECTRICAL WIRING
Electrical requirements
This appliance must be supplied with 120V, 60 Hz, and connected to an individual and properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker or time delat fuse.

Grounding Instructions – Cable Direct
This lighting system must be connected to a grounded metal, permanent wiring system, or an equipment grounding connector must be run with the system conductors and be connected to the equipment grounding terminal or lead on the lighting fixture.

1. Controller Unit Installation (Model 101)

NOTE: Before mounting sensor on frame, make sure the hold open arm does not interfere with the sensor location.

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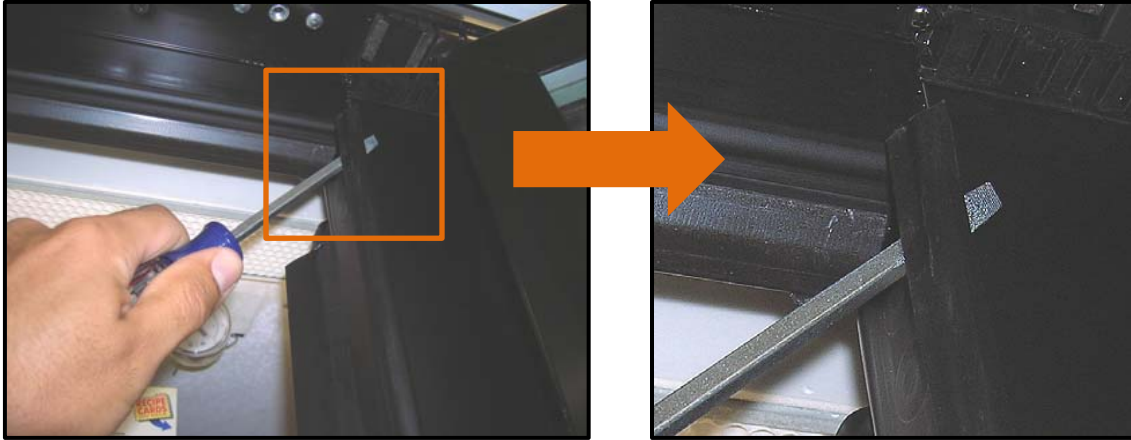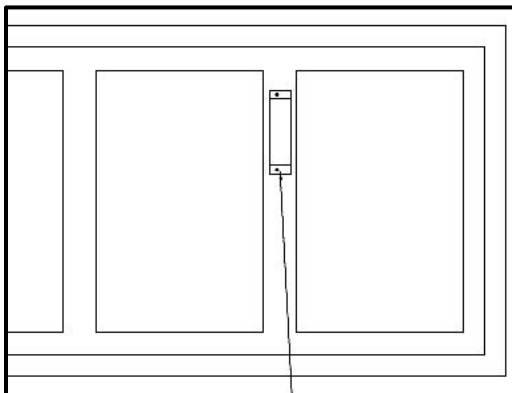

NOTE: **Vista Doors Only** – If the Smart Controller does not fit inside the mullion, the Smart Controller unit must be installed remotely outside the frame.

Smart Controller Unit Location

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

## 2. Controller Unit Installation (Model 1001, 401)

NOTE: Before mounting sensor on frame, make sure the hold open arm does not interfere with the sensor location.

1. Remove raceway cover slip by inserting a flat screwdriver under the retaining strip, starting at the top. The raceway is located directly behind the frame rail.
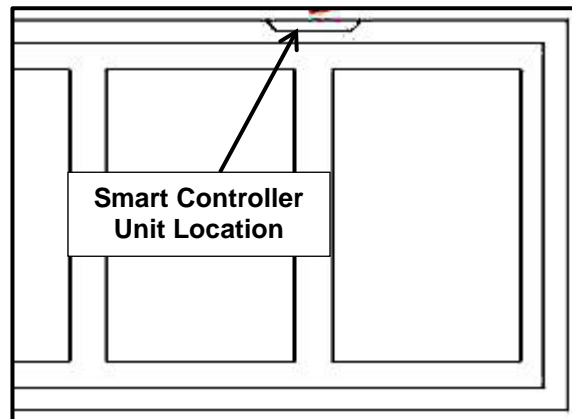

Raceway Cover Slip Removal

2. Remove raceway slip as needed. Remove raceway bracket with Phillips screwdriver if needed.
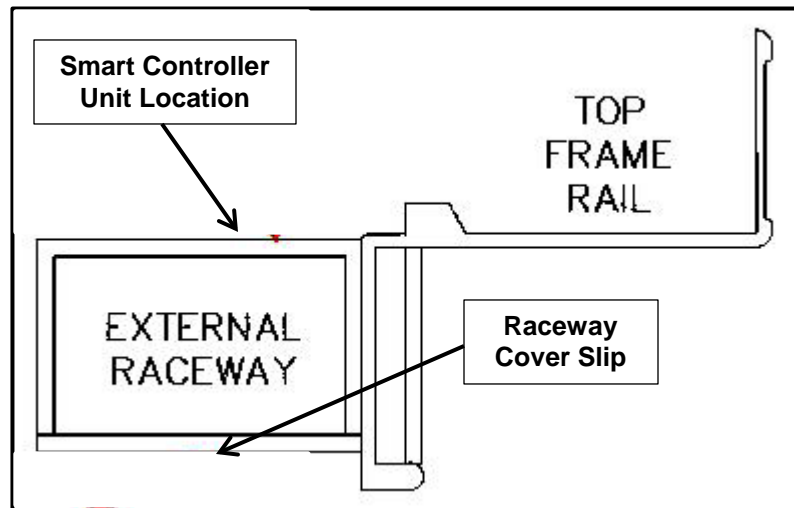
3. Mount the Smart Controller unit on the raceway, on the center mullion on the right from the customer side using self tapping screws

Smart Controller Unit Location

3. Sensor Board and Plastic Housing Installation

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

Sensor Board

Green LED Light

Adjustment Settings Knob
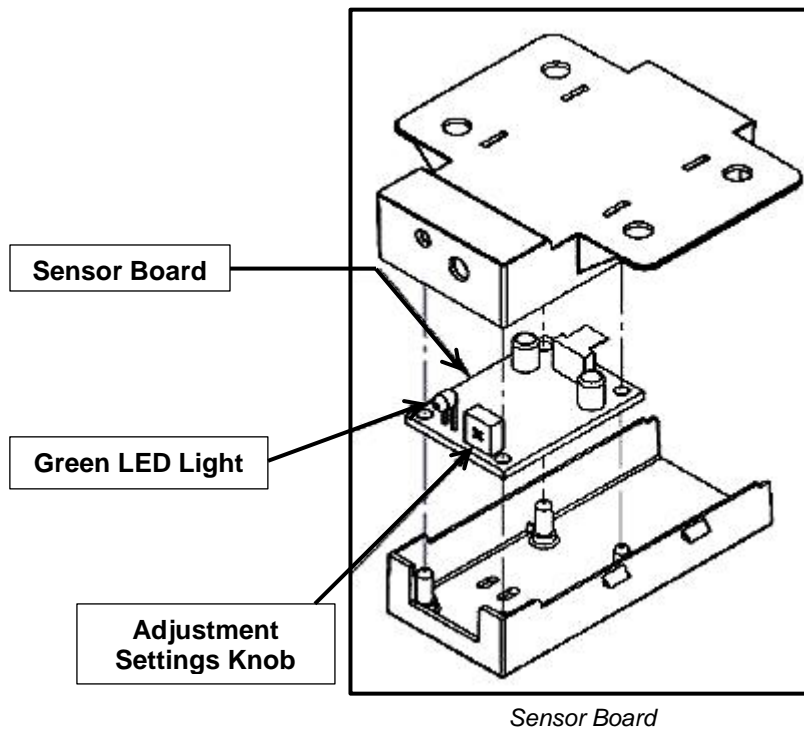
Sensor Board

2. Make sure the gray wire is securely fastened to the sensor board.

Cable Connection

3. Close the top piece into the bottom housing piece. Be sure the gray wire exits the back. When fastening the top and bottom housing, four clicks should be heard due to the snap-on feature.

Housing Closure

4. Standard Frame and Sensor Preparation

1. Begin wiring the Smart Controller in accordance with the following wiring schematic.

The sensor cable must travel from the center mullion to the top of the channel.

Heater & Cable Wires

2. Cut a ¼" x 1" rectangular cut on the contact plate to allow for passage of the sensor cable.

3. Apply a 3/4" x 2-1/4" piece of seal foam with a cut slit for wire placement on the contact plate to prevent air intake/outtake.
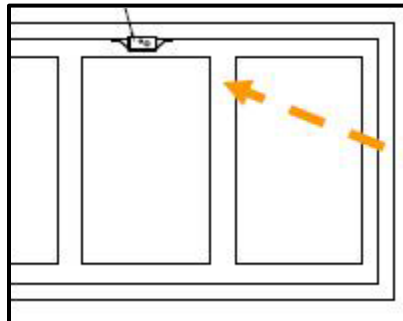

4. Insert the sensor cable into the cutout and replace the sealing plate to the frame.

5. Push the excess sensor cable back through the channel, reducing the slack.

6. Seat the sensor until flush to the frame flange, pushing it as far back as possible.

**Sensor Location:
Upper Frame Rail
above second door
from the right**

7. Using self-drilling screws, mount the sensor housing to the inner frame of the door system.

8. Re-install the sealing plates.

5.   Adjustment Settings

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 counter-clockwise to provide less heat, at a given relative humidity.
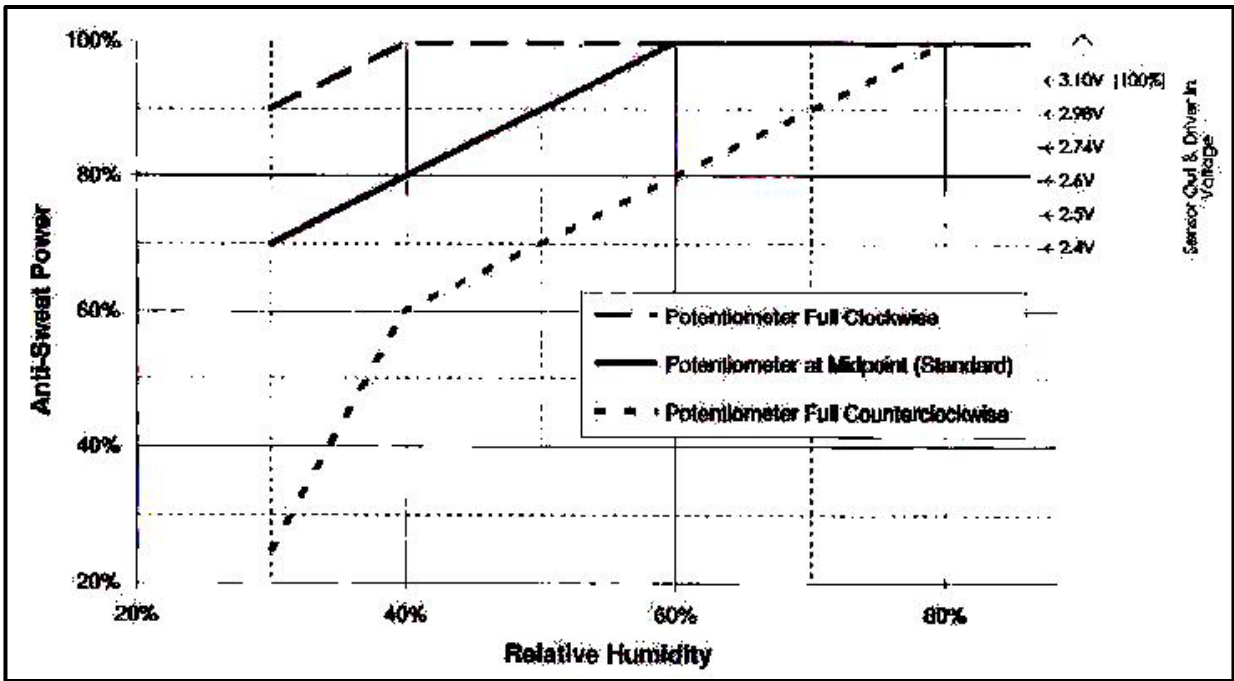
Anti-Sweat Controller Response
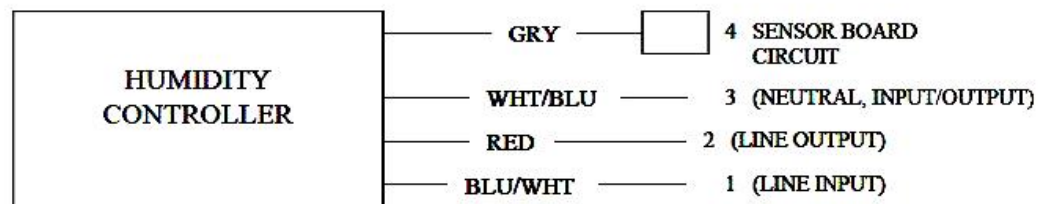
6. Specifications

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

7. Revision History Page

REV	ORIGINATOR	DESCRIPTION OF CHANGE	EFFECTIVE DATE
A		Initial Release	
B		Reformat	07/27/2010
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