SIEMENS
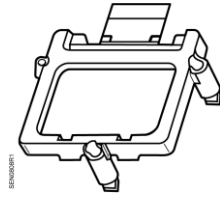
AQA2232 OLED Replacement Kit

Product Description

The AQA2232 OLED (Organic Light-Emitting Diode) Replacement Kit extends the life of Series 2200, 2300, 3200, and 3300 Room Sensors with faded displays. Each kit contains replacement elements to service five sensors.

The kit is used with the following room sensors:

QAA22xx.DWxx	QAA23xx.DWxx
QAA22xx.FWxx	QAA23xx.FWxx
QFA32xx.DWxx	QFA33xx.DWxx
QFA32xx.FWxx	QFA33xx.FWxx
QPA22xx.FWxx	QPA32xx.FWxx

Product Number

AQA2232   OLED Replacement Kit

Figure 1. Room Unit with OLED (Typical).

Contents

Five (5) Replacement Display Assemblies

Expected Installation Time

- Sensors with RJ-11 jack   2 min. per sensor
- Sensors with terminal block connection   4 min. per sensor

Required Tools

- Needle nose pliers
- 1/16" hex key
- No. 2 flat-blade screwdriver
- Permanent marker

Removing the Old Display Module

1. Use a 1/16" hex key to turn the retaining screw at the bottom of the sensor housing clockwise until it is fully recessed.
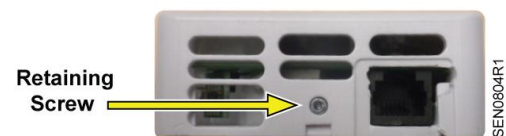
Figure 2. Retaining Screw Location.

2. Use a No. 2 flat-blade screwdriver to gently pry the sensor cover away from the mounting base at the bottom, and rotate upwards until the housing is separated from the base.
3. Disconnect sensor wiring by doing the following:
   a. If the sensor is connected with an RJ-11 cable, carefully remove RJ-11 plug from the back of the sensor.
   b. If the sensor wiring is connected to a terminal block, note the terminal locations of each wire. It is advisable to take a picture of the wiring for reference during the re-assembly process. Then, carefully remove the wires from the sensor terminal block(s).
4. Remove the circuit board from the sensor housing by gently prying above the two retaining clips with the No. 2 flat-blade screwdriver.
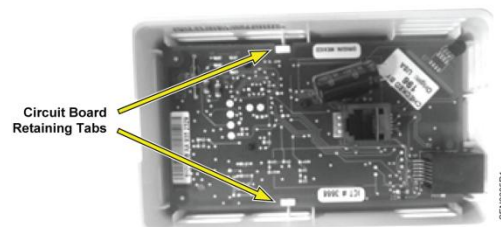
Figure 3. Circuit Board Retaining Tabs.

5. After removing the circuit board assembly from the housing, turn the housing over and mark the display with the permanent marker. This marking will be helpful in distinguishing the new the new display from the old one.

6. Use your thumb and index finger to gently lift the retaining device where the display ribbon cable connects to the circuit board.
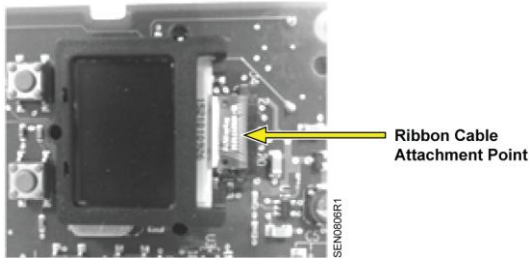

Figure 4. Ribbon Cable Attachment Point.

7. Gently remove the ribbon cable from the receptacle on the terminal board.

8. Turn the circuit board over and use needle nose pliers to loosen the display by carefully squeezing the three attachment prongs while gently pushing them toward the board surface.
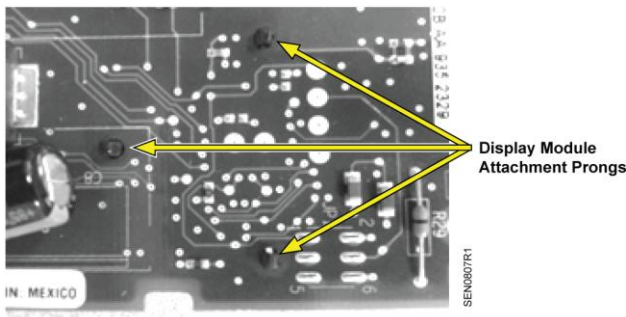

Figure 5. Display Module Attachment Prongs.

9. After the attachment prongs are loosened, the display can be lifted from the board. Use a flat-blade screwdriver to gently pry it loose.

Installing the New Display Module

Press the new display assembly into the circuit board on the side opposite the RJ-11 port or terminal blocks.

1. Insert the ribbon cable into the receptacle and secure the retainer by gently pushing it down on both sides.

2. Insert the circuit board into the front housing. Ensure that the board is properly seated in the retaining tabs.

3. Connect the RJ-11 cable or re-attach the sensor wiring (see notes or pictures taken in *Removing the Old Display Module*, Step 3. a).

4. Install the sensor on the sensor base and turn the retaining screw counterclockwise until properly engaged with sensor housing.

5. To maximize the life of the OLED, it is recommended that the screen saver functionality be enabled at the sensor. For details, see one of the following HMI guides:

   - For sensors with an RJ-11 port, see *Room Unit for TEC, and ATEC Operator Interface Guide* (125-703).

   - For sensors without an RJ-11 port, see *Series 2200/2300 Room Units for Primary Equipment Controllers Operator Interface Guide* (125-706).

The installation is now complete.

Siemens Industry, Inc.
Building Technologies Division
1000 Deerfield Parkway
Buffalo Grove, IL 60089-4513
USA
+ 1 847-215-1000

Your feedback is important to us. If you have comments about this document, please send them to SBT_technical.editor.us.sbt@siemens.com

Document No. 129-614
Printed in the USA
Page 2 of 2