INSTALLATION INSTRUCTIONS FOR FLOAT SWITCH KIT  
(LB-106842A; 60W18) USED WITH L SERIES UNITS

Shipping and Packing List

Package 1 of 1 contains:
1- Overflow (float) switch (S149)
1- Locknut
2- Brackets
2- Screws #8-32 X 1/2”
2- Wires
2- Wire nuts
15- Wire ties

Application

The float switch is used to energize the service light and de-energize the rooftop unit when excessive condensate collects in the drain pan.

The float switch will open 3 times (default) before the IMC board output is activated (P113-3). Refer to the IMC manual provided with each unit and ECTO parameter 5.08 to change the number of times the switch will open before de-energizing the unit. Also refer to IMC error code 20 and 21.

Installation

1- Disconnect all electrical power to unit and open control access door.
2- Secure float switch assembly to C-shaped bracket using locknut. See figure 1.
3- Remove panel covering the condensate drain pipe.
4- Install the drain pan float switch assembly as shown in figure 1. Position the square bracket on the inside of the pan and the C-shaped bracket on the outside; use screws to secure assembly to side of drain pan.
5- No S42 or A42 Option -  
Locate the 1/4” quick-connect with wires marked 95 and 96 between TB34-1 and P110-9 (M1 board) in control area. Cut wire ties holding bundles of wiring if necessary.

With S42 or A42 Option -  
Locate the 1/4” quick-connect between P110-9 (M1 board) and A42 or S42. The lead from P110-9 should be marked 95.

WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, personal injury or loss of life. Installation and service must be performed by a licensed professional HVAC installer or equivalent, service agency, or the gas supplier.

CAUTION

Danger of sharp metallic edges. Can cause injury. Take care and wear protective clothing when servicing unit to avoid accidental contact with sharp edges.
6- No S42 or A42 Option -
Disconnect 95 and 96 and insert wires provided in kit as shown in figure 2. Route wires to float switch on condensate pan; follow existing unit wiring to freezestats on indoor coil return bends.

With S42 or A42 Option -
Disconnect A42/S42 lead from wire marked 95 and insert wires provided in kit. See figure 3. Route wires to float switch on condensate pan; follow existing unit wiring to freezestats on indoor coil return bends.

7- Remove excess wiring from kit wires and connect to float switch leads. Use wire ties to secure connections above the drain pan.

8- Re-install the panel which covered the condensate drain pan and close all access doors.

9- Restore power to unit.