

ROOFTOP UNIT KITS AND ACCESSORIES

507123-02
2/2025
Supersedes 507123-01

DRAIN PAN OVERFLOW SWITCH KIT

INSTALLATION INSTRUCTIONS FOR DRAIN PAN OVERFLOW SWITCH KIT (602799-01; 38A64) USED WITH ZG/ZC/ZH 036-150 UNITS

Shipping and Packing List

Package 1 of 1 contains:

- 1- Mounting bracket Bag assembly containing:
- 1- Overflow (electronic) switch (S149)
- 3- Screw-in wire ties
- 1- Push-in wire tie
- 4- Screws
- 1- Wire Harness
- 10- Wire Ties

⚠ 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

As with any mechanical equipment, contact with sharp sheet metal edges can result in personal injury. Take care while handling this equipment and wear gloves and protective clothing.

Application

The overflow switch is used to interrupt cooling operation when excessive condensate collects in the drain pan. The overflow switch is connected to the control board (A194). When the switch opens, the control board will shut off the unit. After a five-minute time out, the control board will verify the overflow switch position and restart the unit (if the switch has closed). The control board has a three-strike counter before the unit locks out. This means the control board will allow the overflow switch to open three times per thermostat demand. If the unit locks out, a reset of the control board is required after the switch has closed to restore unit operation.

Installation

- 1 - Disconnect all electrical power to unit.
- 2 - Remove panel covering the heat and blower sections.
- 3 - Secure overflow switch to bracket. See FIGURE 1.

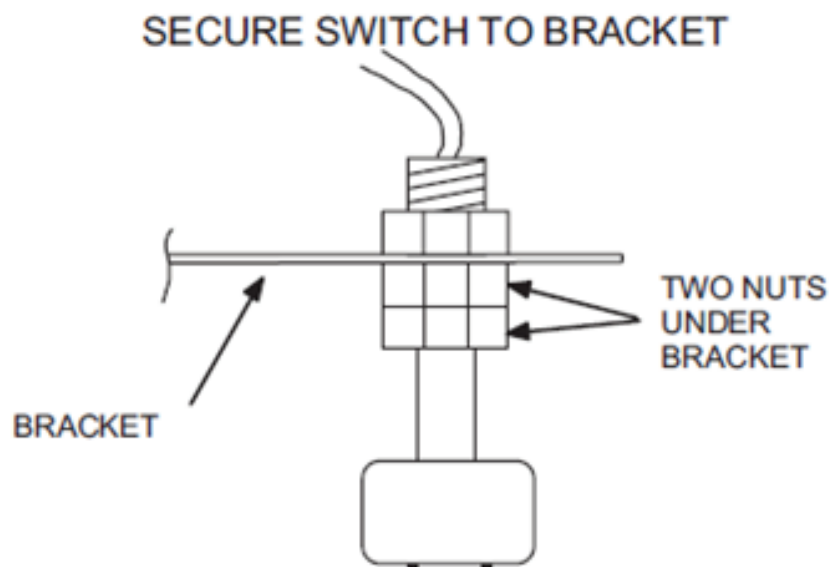


FIGURE 1

4 - 036-060 Units -

Install bracket behind blower deck as shown in FIGURE 2 and FIGURE 3. Position bracket 1-1/2" from unit side panel. See FIGURE 2

092-150 Units -

Remove foil tape covering two holes in blower deck. See FIGURE 4. Align holes on bracket with holes on blower deck. Secure bracket to blower deck with two screws.

- 5 - Route wiring to control box as shown in FIGURE 3 for 036-060 units and FIGURE 4 for 092-150 units.
- 6 - Make wire connections to the control board port as shown in FIGURE 5.
- 7 - Reinstall panels and restore power to unit.
- 8 - Use instruction provided with sensor to adjust the height of the sensor on the bracket as needed.

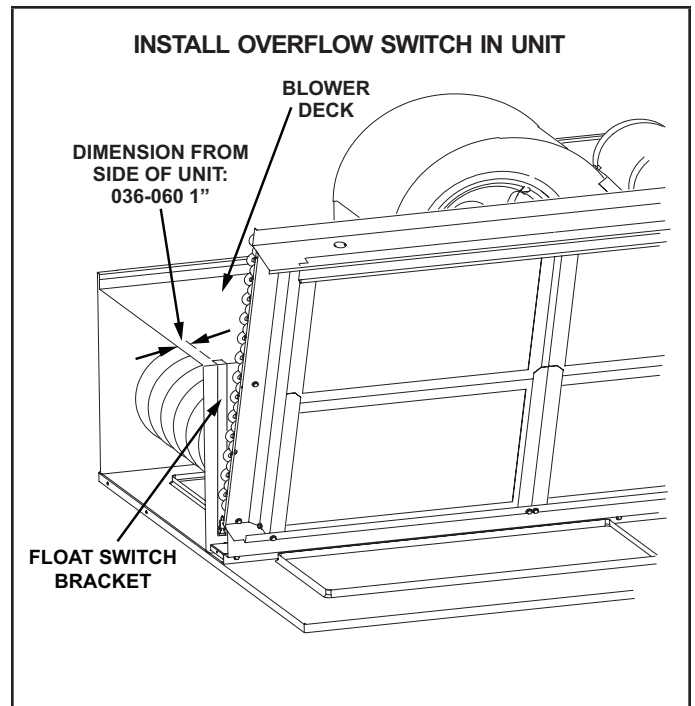


FIGURE 2

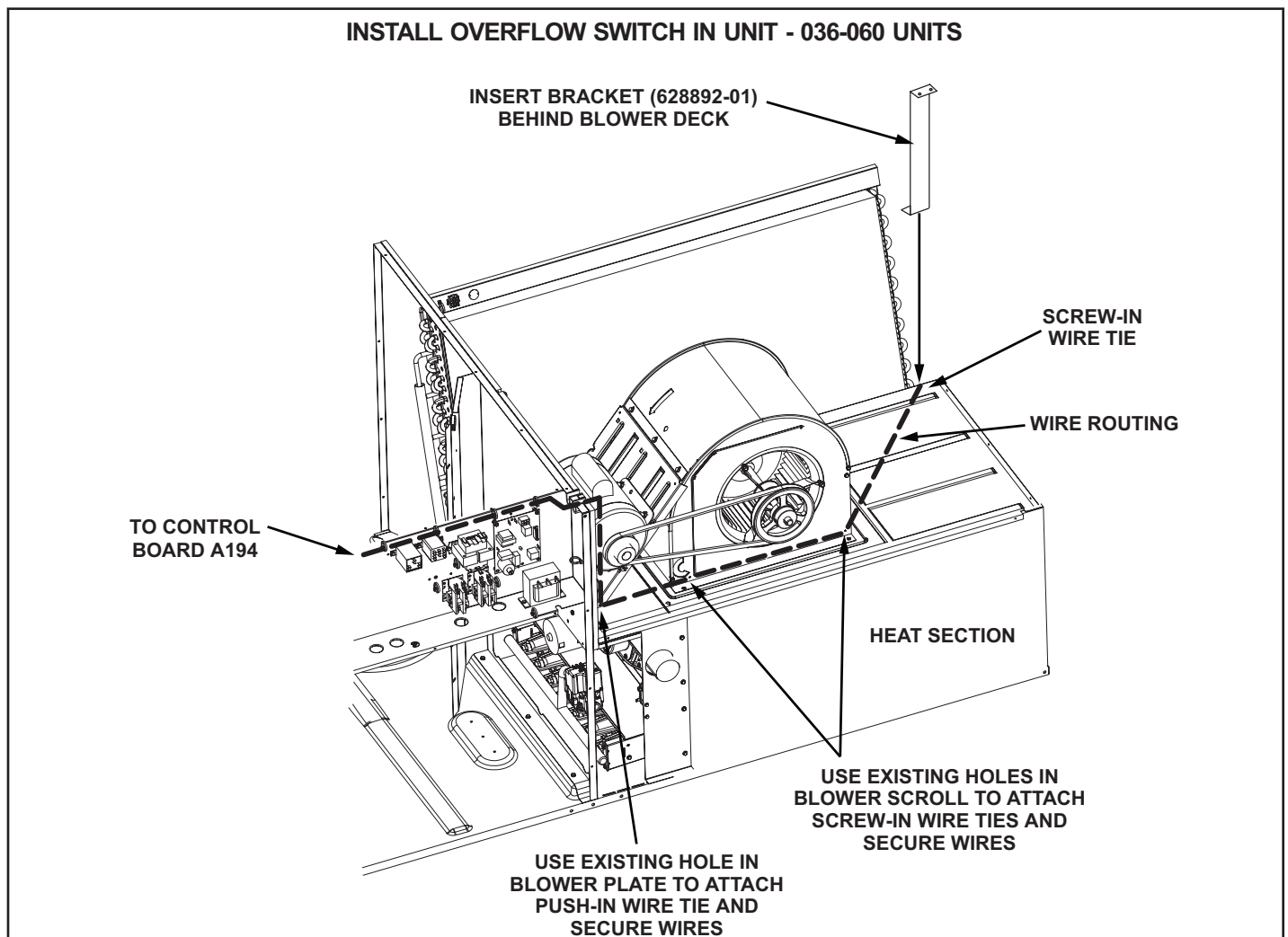
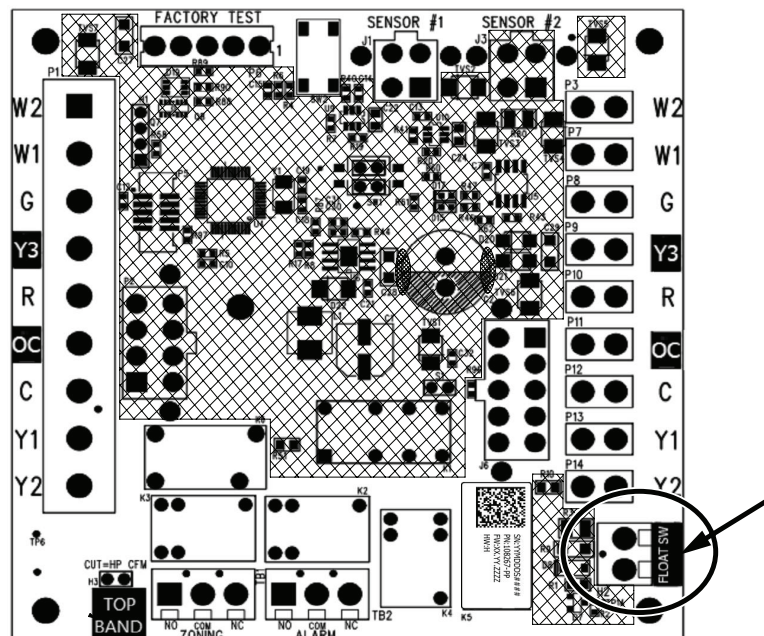


FIGURE 3

ASSY TOP SIDE



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