

INSTALLATION INSTRUCTIONS FOR MODEL EZT 207 3/4" SIDE INLET EZ TRAP® WITH FLOATSWITCH

Model EZT 200 Series is identical to EZT 100 Series except that the red captive cleaning cap has been replaced with a black floatswitch which will react to a rise in the water level in the trap when a blockage occurs in the trap or in the condensate drain pipe down line.

1. Screw drain pan adaptor into 3/4" primary drain pan outlet on A Coil. Cut PVC pipe stub (not included with kit) to required length (3" recommended) and glue into adaptor with PVC adhesive.
2. Attach one of the uncapped legs of the cross to this stub with the cross in a horizontal plane so that the other uncapped leg faces to the side where you want the trap to be. Cross must be level.
3. Determine how far you want the trap to be off the side of the furnace, cut a second PVC stub to length required and glue into the open leg of the cross.
4. Mount center leg of inlet tee onto open end of PVC pipe stub with PVC adhesive, ensuring that 1" capped end (cleaning port) faces up and open (3/4") end faces down and that tee is plumb.
5. Apply PVC adhesive to **longer end** of clear PVC U bend and insert into the open bottom of the tee. U bend can be rotated around the axis of the tee bottom to enable it to be installed in a restricted space, if necessary. **NOTE: LONG END OF U BEND MUST BE FIXED TO THIS TEE TO ENSURE PROPER OPERATION OF TRAP.**
6. Apply PVC adhesive to the other end of the U bend and fit outlet tee so that the black stub faces up. Tee can also be rotated around its own axis, if necessary, if space restrictions require.
7. Run condensate line from the center leg of outlet tee to the outside of the building, or to the drain line vent if local codes permit this.
8. Test the condensate line by removing the black floatswitch from the top of the inlet tee and pouring water down the orifice to see that it runs out through the condensate line.
9. **REPLACE FLOATSWITCH ASSEMBLY ON TOP OF INLET TEE AND SEAT FIRMLY. Note that the floatswitch and 2 red caps are removable for cleaning and testing purposes only. Replacement of the floatswitch and both red caps is essential for the correct operation of the trap and they must remain fitted at all times. Red caps must be a watertight fit.**
10. Insert handle of cleaning brush through the retaining hole on the stub on top of the outlet tee to store when not in use and to prevent brush from getting separated from trap.
11. If terminal strip is fitted, remove wire from [R] on terminal strip and replace with red wire from floatswitch (BOTTOM TERMINAL). If no terminal strip is fitted remove wire from [X1] on transformer and replace with red wire from floatswitch (BOTTOM TERMINAL).
12. Connect white wire from floatswitch (CENTER TERMINAL) to thermostat by splicing it to the wire removed from terminal [R] or to the wire removed from terminal [X1] on transformer. This will break power feed when floatswitch trips.
13. Test system by turning it on, it should run, if it does not, check wiring too ensure that correct terminal is used.
14. Test microswitch operation by lifting switching arm with a screwdriver, unit should shut off immediately. If not, check all connections and wiring to ensure that switch is correctly wired and installed and check microswitch for correct operation.
15. Check that microswitch switching arm is connected to float and that float is not restricted in any way so it can react freely to a rise in the water level in the inlet tee.
16. If an indicating alarm is required, connect a neutral from the [X2] terminal on the control transformer to one of the terminals on the alarm bell or light (whichever you are using, **24 Volts AC Only**) then connect other terminal of the alarm device to the Black wire from the floatswitch (TOP TERMINAL).
17. Test by lifting switching arm with a screwdriver, unit should switch off immediately and alarm should operate, if not, check all connections and wiring too ensure that switch is correctly wired and installed and check microswitch for correct operation. Attach red warning sticker to electrical access panel on condenser.

INSTALLER NOTE

1. THIS EZ TRAP MUST BE INSTALLED STRICTLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS TO ENSURE PROPER OPERATION AND IN ACCORDANCE WITH ALL LOCAL PLUMBING AND/OR DRAINAGE AND/OR ELECTRICAL CODES.
2. NOTE THAT DUE TO ITS PROXIMITY TO WATER, THIS SYSTEM IS SUITABLE FOR USE WITH 24 VOLT AC CURRENT ONLY. **DO NOT USE 110 VOLT AC IN THIS SYSTEM!!**
3. WARNING: THE MICROSWITCH USED IN THIS MODEL HAS BEEN SPECIALLY MODIFIED TO MAKE IT MORE SENSITIVE TO THE RISE IN THE WATER LEVEL. IF IT NEEDS TO BE REPLACED, USE ONLY A GENUINE SPARE PART FROM THE MANUFACTURER. **DO NOT REPLACE WITH ANY OTHER MICROSWITCH, IT WILL NOT OPERATE CORRECTLY AND WILL INVALIDATE THE GUARANTEE.**
4. THIS TRAP IS SUITABLE FOR USE ONLY WITH DRAIN PANS WITH OUTLET SIZES UP TO 3/4". **DO NOT USE ON LARGER SIZES** AS IT MAY NOT BE ABLE TO HANDLE THE CONDENSATE PRODUCED BY LARGER TONNAGE UNITS. CONSULT FACTORY FOR DETAILS ON LARGER TRAPS, IF REQUIRED.

CLEANING INSTRUCTIONS FOR MODEL 207 EZ TRAP®

1. Remove black switchcap from top of trap inlet tee.
2. Remove brush from retainer hole, insert into opening on top of inlet fitting and push downwards through trap to clear blockage.
3. Remove red cap from horizontal cleaning port facing directly into A Coil, insert brush through cross to clean drain pan outlet of A Coil and replace cap tightly.
4. Remove second red cap on side of cross and insert brush horizontally through cross to clean stub connection to trap, replace cap tightly.
5. Replace brush in retainer hole on stub of outlet tee.
6. **NOTE: The 2 CAPS ON THE HORIZONTAL CROSS ARE CRITICAL FOR CORRECT OPERATION OF TRAP, MUST BE WATERTIGHT AND MUST REMAIN FITTED DURING NORMAL OPERATION. DO NOT TEST CONDENSATE LINE FOR CORRECT OPERATION BEFORE REPLACING THESE CAPS.**
7. Pour water into top of trap inlet to test that drain line is clear.
8. Replace black floatswitch on top of inlet tee. **THIS CAP IS REMOVABLE ONLY FOR CLEANING AND TESTING PURPOSES. IS ESSENTIAL FOR CORRECT OPERATION OF TRAP AND MUST REMAIN FITTED DURING NORMAL OPERATION.**

EZ TRAP WARRANTY

The EZ Trap condensate trap or overflow switch purchased by you is unconditionally warranted to be free from defects in material and workmanship under normal use for a period of three (3) years from date of purchase, providing it is installed and operated strictly in accordance with manufacturers' installation instructions.

If the product is found to be defective or otherwise fails in normal use, you may return it for replacement. All freight charges for the return of the product shall be borne by you. The manufacturer will pay outgoing freight charges for the replacement product.

Defective products returned to EZ Trap prepaid will be repaired or replaced free of charge. Replacement product will, to the extent such product is then available in manufacturers inventory, be of similar type, color and kind. Manufacturer retains the right to substitute product if replacement product does not conform in terms of color, type and specifications to the original product if no longer available.

This warranty does not cover replacement labor or any cost, claim or incident to any defect nor does it cover any consequential damages. The sole liability of the manufacturer under this warranty is limited to the replacement of defective product. Product damaged by improper use, accident, neglect, alternation, abuse or improper installation is excluded from this warranty.

207 TEE INSTALL 2/98

100 TEE INSTALL 4/97

1