Honeywell

T475A, T678B, T991B APPLICATION RECOMMENDATION FOR STRAP-ON MOUNTING

This supplement describes a strap-on mounting procedure for installing T475A, T678B or T991B Outdoor Reset Temperature Controllers in hot water systems. In this type of installation, the indoor temperature controller bulb is mounted externally on the boiler discharge pipe rather than in an immersion well with a compression fitting. All other installation information in the literature accompanying this unit is applicable.

In retrofit applications, the strap-on mounting eliminates the costs and time consumed in draining the boiler and the system, installing the immersion well and bleeding the air from the system after refilling.

LOCATION

The indoor bulb portion of the controller should be located at a point on the boiler discharge pipe that is approximately 3 ft [0.9 m] from the boiler. The controller and outdoor bulb should be mounted as indicated in the applicable installation sheet.

OPERATION

External mounting of the sensor produces a slight offset in the temperature control point. Typically, the control temperature is increased up to 5 F [2.8 C] with a bare sensor strapped to the discharge pipe. Applying insulation around the sensor and pipe results in a decreased offset.

MOUNTING

Mount the indoor bulb on the discharge boiler pipe as follows.

1. Secure controller bulb to pipe with duct hanger wire or metal hose clamps (Fig. 1, top).

CAUTION

Do not overtighten clamps to point of distorting sensor bulb. Overtightening clamps will cause a significant shift in bulb calibration.

(Steps 2 and 3 are optional and are to be used if large fluctuations in the ambient temperature occur near the pipe.)

2. Cover bulb and pipe with foam rubber insulation extending at least 6 in. [152 mm] beyond both ends of bulb (Fig. 1, bottom).

3. Secure foam rubber with duct tape. DO NOT ALLOW DUCT TAPE TO CONTACT PIPE.

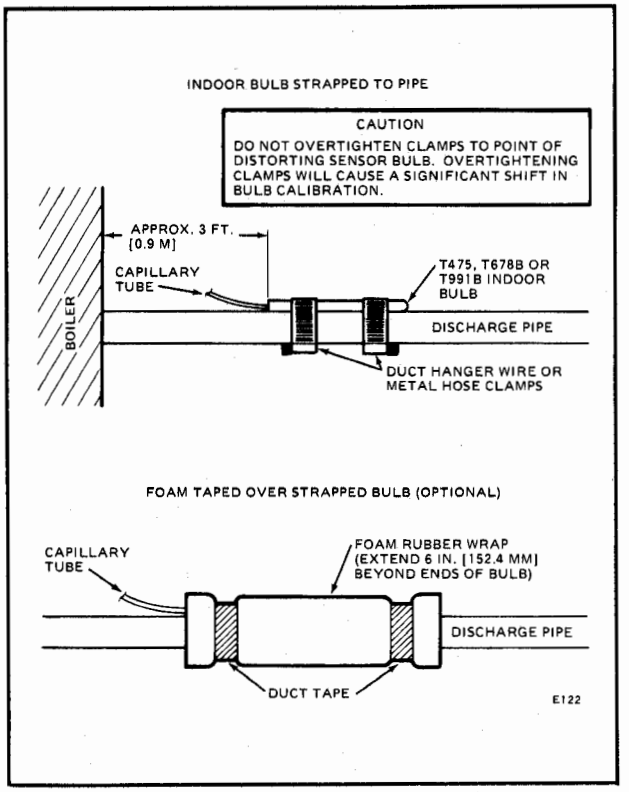

Fig. 1—Wrap-on mounting of T475A, T678B, or T991B indoor bulb on a boiler discharge pipe.

For additional specifications and instructions, refer to the appropriate form as follows:

T475A—Form No. 60-2219
T678B—Form No. 60-2207
T991B—Form No. 60-2055

Dear Customer,

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Honeywell Inc.
10400 Yellow Circle Drive
Minnetonka, Minnesota 55343
ATTN: Publications Supervisor MN38-3247

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