

TEMPSWITCH

Thermostats
Installation Instructions

FENWAL[®]

Description

Please Read Carefully

The marking on the sensing shell will indicate the direction to turn the adjusting screw to increase or decrease the set-point. **Units with contacts normally closed (NC), the set-point will increase by turning the adjusting screw counter-clockwise (CCW). Units with contacts normally open (NO), the set-point will increase by turning the adjusting screw clockwise (CW).**

NOTE: IF THE ADJUSTING SCREW IS TURNED IN TOO FAR, THE MECHANISM WILL DEFORM, RENDERING THE TEMPSWITCH USELESS.

Units are shipped set at room temperature unless a specific factory setting is ordered. TEMPSWITCH units can be factory set between 68°F and 500°F. This must be specified when ordered. Do not exceed the setting by more than 100°F, otherwise the units will be damaged and cannot be repaired.

The full 360 degree turn on the adjusting screw is approximately 100°F. If turning the screw clockwise (inward), be careful not to go too far because the mechanism will permanently deform, rendering the TEMPSWITCH useless.

Calibration is accomplished by placing the unit in an environment where the temperature is easily stabilized and independently measured. Verification

of the contacts closing or opening can be accomplished using a battery or energized AC circuit and light bulb. Once the set-up is complete and the temperature is stabilized, turn the adjusting screw slowly until the switch closes or opens, depending on the type ordered. Repeat the process two or three times to fine tune the calibration, making smaller and slower adjustments each time. When the contacts are closed, the circuit is complete. Units with normally closed contacts will open at the desired temperature; units with normally open contacts will close at the desired temperature.

Be sure the TEMPSWITCH body is not bent or distorted during installation. This will affect calibration and possibly render the TEMPSWITCH useless. Allow a hole clearance of at least 0.005", and do not restrict longitudinal elongation of the TEMPSWITCH.

When installing a TEMPSWITCH, do not use a set screw or any other similar restrictive device against the TEMPSWITCH body. Restricting thermal expansion of the TEMPSWITCH will cause damage and/or faulty temperature sensing.

If you have any questions, please contact your local authorized Fenwal distributor or the factory.

Thank you for purchasing Fenwal products! We look forward to serving you in the future.

These instructions do not purport to cover all the details or variations on the equipment described, nor do they provide for every possible contingency to be met in connection with installation, operation and maintenance. All specifications subject to change without notice. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to KIDDE-FENWAL, Inc., Ashland, Massachusetts.

If you need more information on this product, or if you have a question, contact KIDDE-FENWAL, INC., Ashland, MA 01721. (508) 881-2000.

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