

ZF79 - NON-INDICATING TEMPERATURE CONTROL

Description

This unit is a compact single-switch industrial temperature controller designed to operate fuel valves or relays which start and stop heating or cooling systems. It can also be used as a limit device for sounding an alarm, actuating lights or to shut down equipment at a pre-determined temperature. Compact, flush or wall mounted (brackets included), externally adjustable set point, available in twelve optional ranges within -30°F to 1100°F. UL and CSA listed.

Operation

Temperature is set by turning the large, easy to handle setting knob on the front of the instrument to the desired point on a 200 angular degree semi-circular scale.

Expansion and contraction in the sensing element moves the switch-actuating lever through a simple mechanical linkage. Optional weather resistance accessory (Acc 243) is available. Adaption of Acc 243 provides for inverted mounting and special gasketing for resistance to normal outdoor climate conditions.

Specifications

| | |
|-----------------------|--|
| Dimensions | 6 1/8" W x 5 1/2"H x 3 1/2" D |
| Surface Mounting | Brackets included. |
| Flush Mount Cutout | 4 3/4" W x 5" H |
| Electrical Rating | 50VA, inductive; 500VA, non-inductive; 250V maximum. |
| Switch Type | Three wire SPDT. |
| Switch Sensitivities | Normal 1% of range (factory std #79) Super Sensitive 1/2% of element range (optional #73) |
| Electrical Hookup | Internal terminal block. |
| Conduit Openings | 7/8" diameter opening in top of case for 1/2" electrical fitting; drill-guide hole spotted in rear of case for optional rear entrance. |
| Agency Listings | UL and CSA. |
| Warranty | One year, see page 80 for details. |
| Approx. Net Weight* | 5 lbs. |
| Approx. Ship. Weight* | 8 lbs. |

*Weight may vary depending on element length.

How to Order

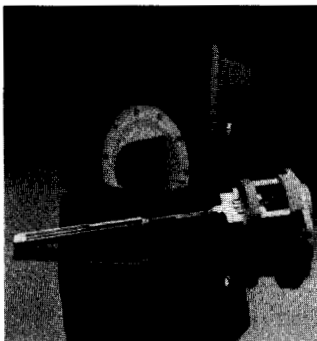
The proper ordering number for the ZF79 without Acc. 243 is ZF00127, for the ZF79 with Acc. 243 is ZF00235.

Next consult element selection matrix, page 62. Select dial part number, see page 64, and specify as a separate line item. The dial selected must correspond to specific range of sensing element selected. Note that when using Acc. 243, the unit uses inverted dial. The ZF79 requires a hollow (L-Type) element plunger (Code 51 or 52). High ambient temperature head assembly (Code 51) is used when the instrument will be located in ambient temperatures between 32°F but not greater than 150°F. Low ambient head assembly should be called out (Code 52) when instrument will be located in ambient temperatures between -30°F and 125°F.

Sample Order:

| <u>Description</u> | <u>Required Number</u> |
|--------------------|---------------------------------|
| ZF79 | ZF00127 |
| with dial | 00603023 (from page 64) |
| with element | 109510520 (from page 62 and 63) |

For pricing see Form 3028, Mechanical Price Book, page 17.



**Non-
Indicating
Controls**