FEATURES
- Fully adjustable
- Overlapping ranges from 50ºF- 600ºF / 10°C-315°C
- 1200 Watt resistive load rating at 120VAC/240VAC
- Narrow temperature differential
- UL component recognized
- CSA Certified
- Economical
- Compact size

APPLICATIONS
- Vending Machines
- Platens
- Plastic Laminating Presses
- Dental Equipment
- Popcorn Machines
- Hot Stamp
- Food Warming Trays
- Pressure Washers

DESCRIPTION
Fenwal Series 30000 Surface Mounting THERMOSWITCH® controllers operate on the principal of differential expansion of metals. A temperature increase causes the stainless steel outer case to expand at a greater rate than the internal bridge assembly. Because the case is in direct contact with the heated surface, a temperature change is sensed almost instantaneously. With an increase in temperature, the case expands. This results in a linear change of the internal bridge assembly causing the electrical contacts to open. A decrease in temperature closes the contacts.

Field tried and time tested...quality products in the Fenwal tradition.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>APPROXIMATE TEMPERATURE RANGE</th>
<th>CATALOG NUMBER</th>
<th>APPROXIMATE °F PER FULL TURN OF ADJUSTMENT SCREW</th>
<th>CONTACT OPERATION ON TEMPERATURE RISE</th>
<th>* MATERIAL</th>
<th>** CURRENT RATING</th>
<th>DIELECTRIC STRENGTH (Leads to Case)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50ºF to 300ºF</td>
<td>11-030000-000</td>
<td>250</td>
<td>Stainless Steel case and cover. Aluminum bronze adjusting screw. Aluminum mounting clamps.</td>
<td>120 VAC 10 Amps 240 VAC 5 Amps Resistive</td>
<td>1500 VAC 60 Hz</td>
<td></td>
</tr>
<tr>
<td>50ºF to 600ºF</td>
<td>11-030002-000</td>
<td>575</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All specifications are subject to change without notice.

* In applications where contamination, corrosion or electrolysis is suspect, protect the controller so as to realize optimum performance and maximum life. Consult the factory for suggestions.

** Unless otherwise specified, all ratings apply to noninductive loads such as heaters or resistors. Tungsten filament lamps have an inrush 10 to 15 times the steady state current. Do not exceed ratings.

† Normally available from stock.

† Recognized under the Component Program of Underwriters Laboratories, Inc. File No. E18974

† Certified by Canadian Standards Association File No. LR7378
MODIFICATIONS

51 Adjusting Screw Length

The Temperature Adjusting Screw may be ordered in different lengths so that dimensions "A" in (inches) is as follows: 1/32, 1/4, 1/16, 2 3/8, 2 11/16. Unless this modification is specified, units will be shipped with dimension "A" 1 1/2 inch (38 mm) long. When ordering specify Catalog Number and Modification 51 with desired length. Typical order would read "Cat. No.30000 with Mod. 51 dimension "A",1 1/2 inches long. Minimum ordering quantities apply.

52 Temperature Setting

Any unit may be factory preset within its listed range with a setting tolerance of ±10°F (±10°F or 3% for Catalog Number 30002-0 whichever is greater).

A locking screw is furnished with this modification. (See Modification 55)

When ordering: Specify Modification 52 with temperature set at _____ °F.

53 Special Calibration

Any unit may have special high stop or low stop factory setting within its listed temperature range.

HOW TO ORDER

1. Select temperature range from Specifications table. List appropriate Catalog Number
2. Select required Modification from above and list Modification Numbers after controller Catalog Number.

EXAMPLE: 11-030000-048.