Honeywell’s Thermal Management thermal switches are specifically designed for applications that require high current capacity and are subject to high vibration and shock. This series is capable of handling 7 amperes resistive load at 120 VAC RMS and 2.5 amperes inductive load at 28 VDC.

This series comes as SPST or SPDT configurations (see below).

The base sensing module of the switch is a bimetallic element ensuring long life through a large range of environments. There is no better choice when it comes to cost and performance – specify Honeywell for your thermal control needs.

Honeywell can provide custom packaging to meet the customer’s demanding requirements (contact factory).

**Application Examples:**
- Low idle temp control - locomotive
- Low water temp alarm
- Compressor overtemp
- Transmission overtemp

**Performance**
- Contact Arrangement: SPST, SPDT (TCST - Two Circuit, Single Throw)
- Contact Ratings: 7 amperes resistive load at 120 VAC RMS, 2.5 amperes inductive load at 28 VDC
- Endurance: 100,000 cycles min @ rated DC or AC loads
- Insulation Resistance: 1000 megohms min at 500 VDC
- Dielectric Withstanding Voltage: 1500 VAC RMS - connector pins to case, 500 microamperes max leakage

**Environmental**
- Sine Vibration: 20g peak, 10 to 2000 Hz
- Shock: 100g peak, 6ms
- Ambient Temperature Range: -40 to +400°F
- Moisture Resistance: 98% RH and from +77 to +149°F
Honeywell’s Fan Control thermal switches are specifically designed and qualified to operate the cooling fan contactor on EMD locomotive engines. This thermal switch is non-adjustable, thermally stable and is provided in a continuous range of temperature setpoints shown in the table below.

It uses large rugged contacts, high armature force and large snap-acting discs. This enables the fan control thermal switch to meet rugged performance requirements.

The base sensing module of the switch is a hermetically sealed element ensuring long life through a large range of environments. In addition, the cover, connector and push button are environmentally sealed to provide protection from steam cleaning.

Each switch comes with a press to test push button switch. This aids in verifying proper wiring and connection to fan controls and overtemperature alarms.

A mating connector assembly is available to convert from Pyle National to Burndy (consult factory).

**WARRANTY:** Due to the extreme reliability of the hermetic switch, the device is warranted for 4 years, the best warranty in the industry.

There is no better choice when it comes to cost and performance – specify Honeywell for your thermal control needs.

**Application Examples:**
- Fan Temperature Control
- Overtemperature Idle Control
- Low-idle Temperature Control
- Overtemperature Alarm
- Fluid Dump Freeze Protection

**Performance**
- Contact Arrangement: SPST
- SPDT (TCST - Two Circuit, Single Throw)
- Endurance: Qualified to 1,000,000 cycles at EMD

**Environmental**
- Cleaning: Environmentally sealed
- Resistant to damage from steam cleaning
- Brass Construction: Resistant to chemicals used in flushing cooling systems
### Thermal Management Series
#### Sample Ordering Code
See temperature and corresponding part number on Table.

<table>
<thead>
<tr>
<th>HONEYWELL PN 975-0567</th>
<th>CLOSING TEMP °F</th>
<th>OPEN TEMP °F</th>
</tr>
</thead>
<tbody>
<tr>
<td>-001SPST</td>
<td>205 ±5</td>
<td>225 ±5</td>
</tr>
<tr>
<td>-002SPST</td>
<td>185 ±5</td>
<td>205 ±5</td>
</tr>
<tr>
<td>-003SPST</td>
<td>165 ±5</td>
<td>185 ±5</td>
</tr>
<tr>
<td>-004SPST</td>
<td>140 ±5</td>
<td>160 ±5</td>
</tr>
<tr>
<td>-005SPST</td>
<td>55 ±5</td>
<td>65 ±5</td>
</tr>
<tr>
<td>-006SPST</td>
<td>240 ±5</td>
<td>220 ±5</td>
</tr>
</tbody>
</table>

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### EMD Fan Control Switches
#### Sample Ordering Code
See temperature part number on Table.

<table>
<thead>
<tr>
<th>HONEYWELL PN 975-0485</th>
<th>CLOSING TEMP °F</th>
</tr>
</thead>
<tbody>
<tr>
<td>-101 SPST</td>
<td>150 +3/-2</td>
</tr>
<tr>
<td>-102 SPST</td>
<td>155 +3/-2</td>
</tr>
<tr>
<td>-103 SPST</td>
<td>160 +3/-2</td>
</tr>
<tr>
<td>-104 SPST</td>
<td>165 +3/-2</td>
</tr>
<tr>
<td>-105 SPST</td>
<td>170 +3/-2</td>
</tr>
<tr>
<td>-106 SPST</td>
<td>175 +3/-2</td>
</tr>
<tr>
<td>-107 SPST</td>
<td>180 +3/-2</td>
</tr>
<tr>
<td>-108 SPST</td>
<td>185 +3/-2</td>
</tr>
<tr>
<td>-109 SPST</td>
<td>190 +3/-2</td>
</tr>
<tr>
<td>-110 SPST</td>
<td>195 +3/-2</td>
</tr>
<tr>
<td>-115 SPST</td>
<td>34 +3/-2</td>
</tr>
<tr>
<td>-117 SPDT*</td>
<td>200 +3/-2</td>
</tr>
<tr>
<td>-118 SPDT*</td>
<td>205 +3/-2</td>
</tr>
<tr>
<td>-119 SPDT*</td>
<td>210 +3/-2</td>
</tr>
<tr>
<td>-120 SPDT*</td>
<td>215 +3/-2</td>
</tr>
<tr>
<td>-125 SPST*</td>
<td>110 ±3</td>
</tr>
</tbody>
</table>

*Consult Factory

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