THINSWITCH® LIMIT SWITCHES
VERIFIES EJECTOR PLATE RETURN

GENERAL DESCRIPTION
Thinswitch® Limit Switches are specially designed to verify ejector plate return before permitting the mold to close in injection molding machines. These small switches are thin enough to fit inside the ejector housing. They can also be used for core, slides, or anyplace space is limited. All models use the same mounting hole locations.

The Thinswitch® Limit Switches have been tested for reliability over 10 million cycles without failure. Two switches can be used in series for larger molds to ensure the ejector plate return, preventing costly mold damage.

SPECIFICATIONS

Electrical
250VAC ......................... 5 Amps resistive, 4 Amps inductive
28VDC (sea level) ........... 5 Amps resistive, 4 Amps inductive
Switching ................................ SPDT

Operating Temperature
Standard Model T-222’s .............. 175°F max. (79.4°C max.)
High Temp Model HT-291’s .......... 250°F max. (121°C max.)

FEATURES AND BENEFITS
• Over 10 million cycle life provides long dependable service.
• 175°F (79.4°C) standard temperature rating allows installation into most molding applications.
• 250°F (121°C) high temperature unit is available for higher temperature needs.
• Adjustable operating point allows actuation between 0.187" and 0.250" from the base.
• 3/16" thick design fits snugly behind the ejector plate in the space provided by the rest buttons.
• Stripped and tinned 6 ft. wire leads make the switch ready to install without modification.
• Included mounting hardware installs the Thinswitch® limit switch easily.

Rated Current vs. Steel Temperature

<table>
<thead>
<tr>
<th>Amps</th>
<th>°F</th>
<th>°C</th>
<th>Amps</th>
<th>°F</th>
<th>°C</th>
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<tbody>
<tr>
<td>5.0</td>
<td>85</td>
<td>29.4</td>
<td>5.0</td>
<td>100</td>
<td>37.7</td>
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<td>4.0</td>
<td>120</td>
<td>49.0</td>
<td>4.5</td>
<td>155</td>
<td>68.3</td>
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<tr>
<td>3.0</td>
<td>155</td>
<td>68.3</td>
<td>4.0</td>
<td>210</td>
<td>98.8</td>
</tr>
<tr>
<td>2.0</td>
<td>175</td>
<td>79.4</td>
<td>3.5</td>
<td>250</td>
<td>121.1</td>
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</tbody>
</table>

MATERIALS

Body ............................................. Fiberglass-reinforced nylon
Spring (Original model) ....................... Stainless Steel
Dome (Liquid-Resistant model) .................. Polyurethane
Back Cover ........................................... Polyester Film
Wire Leads ... 22 ga. stranded, 3-conductor, shielded cable, 6 ft. (1.8m) long, ends stripped and tinned

Liquid-Resistant
Original Model

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<th>PART NO.</th>
<th>MODEL</th>
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<th>5-9</th>
<th>10+</th>
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<td>Standard</td>
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<tr>
<td>HT-291</td>
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<td>Spring</td>
<td>$5.45 ea.</td>
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All Thinswitch® models include: Allen wrench (for height adjustment), 4 screws (#10-24 button head), 2 wire clamps & instructions.

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