

## **THINSWITCH®** Liquid-Resistant Limit Switch

### **General Description**

Smartflow Thinswitch Liquid-Resistant Limit Switch is designed to verify ejector plate return in areas where occasional water or oil spray is present. The Thinswitch helps prevent accidental mold close in injection molding applications by providing a position

switch that is tied to the injection molding machine control. The liquid resistant switch uses the same mounting hole locations as the original Thinswitch.

The Thinswitch has 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.

### **Features and Benefits**

- Over 10 million cycle life
- 175F (79.4C) standard temperature rating
- 250F (121C) high temperature unit for higher temperature needs
- Adjustable actuation between .187" and .250" from the mold base.
- 3/16" thick design fits snugly behind the ejector plate between the rest buttons
- Stripped and tinned 6 ft. wire leads
- Mounting screws and wire clips included



**THINSWITCH®**

# Liquid-Resistant Limit Switch



## Specifications

Part Number/Operating Temperature

**T-222-LR** Standard Model .....175°F max.  
(79.4°C max.)

**HT-291-LR** High Temp Model .....250°F max.  
(121°C max.)

Switching.....SPDT

Electrical

250VAC.....5 Amps resistive  
4 Amps inductive

28VDC (sea level).....5 Amps resistive  
4 Amps inductive

Rated Current vs. Steel Temperature					
T-222-LR			HT-291-LR		
Amps	°F	°C	Amps	°F	°C
5.0	85	29.4	5.0	100	37.7
4.0	120	49.0	4.5	155	68.3
3.0	155	68.3	4.0	210	98.8
2.0	175	79.4	3.5	250	121.1

*The Thinswitch® Limit Switch is designed for use in very low power mold protection control circuits. It is not intended to switch heavy loads in power applications.*

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## Materials

Body .....Fiberglass-reinforced nylon  
 Dome.....Polyurethane  
 Back Cover .....Polyester film  
 Wire Leads .....22ga stranded,  
 3-conductor, shielded cable,  
 6 ft. (1.8m) long,  
 ends stripped and tinned

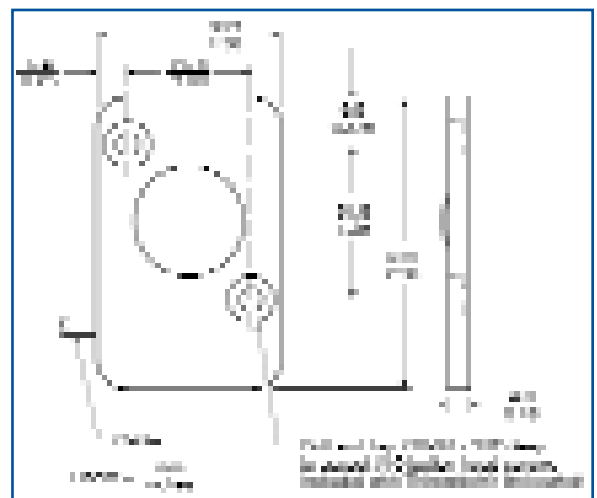
## Pricing (USD)

**T-222-LR** 175°F(79.5°C) operating temp . . . . . \$89

**HT-291-LR** 250°F(121°C) operating temp . . . . . \$98



4500 E 142nd Street  
Grandview, MO 64030  
Tel. 800-764-3518  
Fax 816-878-6683



*Design and specifications are subject to change without notice.*