

Thinswitch® Limit Switch



U.S. Patent No. 5,446,252

The Thinswitch® limit switch is specially designed to verify ejector plate return before permitting the mold to close in injection molding machines. Thin enough to fit inside the ejector housing, it can also be used for core slides, or any place space is limited.

The Thinswitch limit switch has been tested for reliability in more than 10 million cycles without failure. Two switches can be used in series for larger molds to ensure the ejector plate returns, preventing costly mold damage.

- Prevents costly damage by ensuring the ejector assembly is fully returned
- Adjustable operating point allows actuation between .187" and .250" from the base
- 3/16" thick design fits snugly behind the ejector plate in the space provided by the rest buttons
- Included mounting hardware installs the Thinswitch Limit Switch easily
- Stripped and tinned 6 ft. wire leads make the switch ready to install without modification
- 175°F (79.4°C) standard temperature rating enables use for most molding applications
- **Quality tested over 10 million cycles to provide long, dependable service**
- Linear adjustment set screw can be set within .005 to .0025
- Premature spring and switch failure may result by adjusting the operating point more than .020" (.5mm) before the end of the ejector plate stroke
- In stock to provide same day delivery

RATED CURRENT VS. STEEL TEMPERATURE TSW 2220		
AMPS	°F	°C
5.0	85	29.4
4.0	120	49.0
3.0	155	68.3
2.0	175	79.4

NOTE: Please contact D-M-E for high-temperature applications.

THINSWITCH LIMIT SWITCH CATALOG #TSW2220			
SPECIFICATIONS		MATERIALS	
ELECTRICAL: 250VAC	5 AMPS RESISTIVE	BODY	FIBERGLASS-REINFORCED NYLON
	4 AMPS INDUCTIVE	SPRING	STAINLESS STEEL
28VDC (SEA LEVEL)	5 AMPS RESISTIVE	BACK COVER	POLYESTER FILM
	4 AMPS INDUCTIVE	WIRE LEADS	22GA STRANDED, 3-CONDUCTOR, SHIELDED CABLE, 6 FT. (1.8M) LONG, ENDS STRIPPED AND TINNED
OPERATING TEMPERATURE	175°F MAX (79.4°C MAX)		
SWITCHING	SPDT		

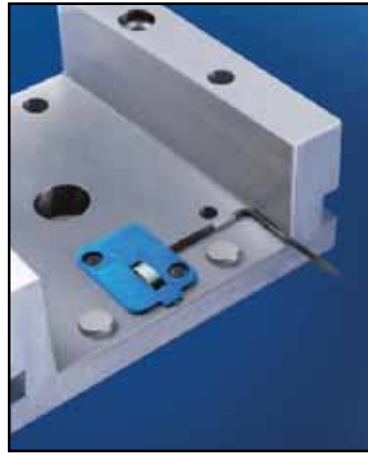
NOTE: Pressure required to activate the switch: 1 oz. min., 5 oz. max.

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.

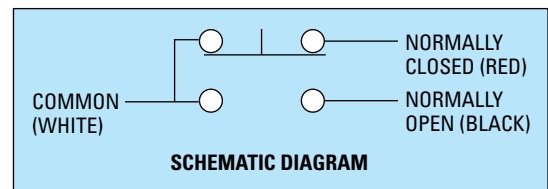
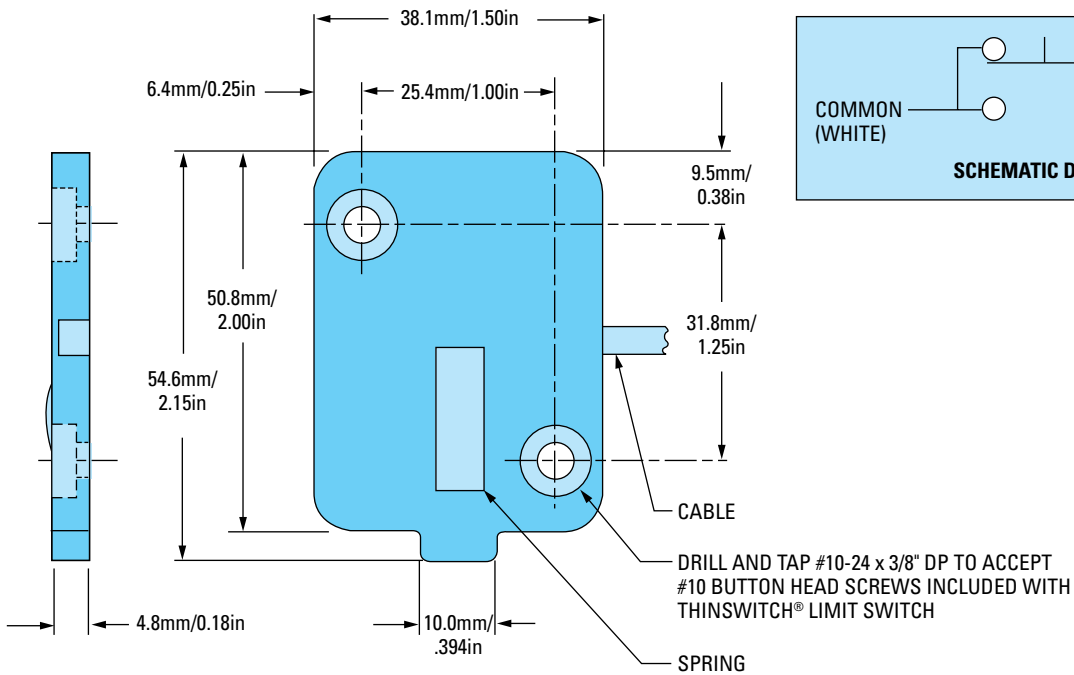
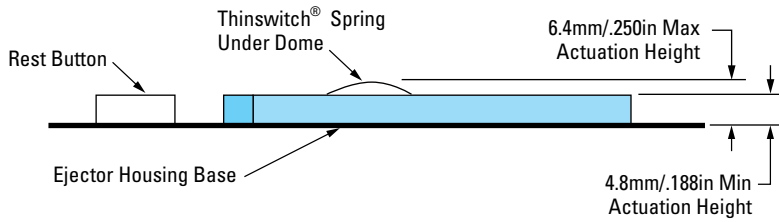


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PARTS INCLUDED	
DESCRIPTION	QTY
THINSWITCH LIMIT SWITCH	1
4-40 ALLEN WRENCH (FOR HEIGHT ADJUSTMENT)	1
SCREWS (#10-24 X 1/2" BUTTON HEAD)	4
WIRE CLAMPS (.5" X .82" X .5" WITH .213" MOUNTING HOLE)	2
INSTRUCTION SHEET	1



Thinswitch includes 2 wire clamps.



Two- and three-dimensional part files are available from the D-M-E web site at www.dme.net.