42827 Irwin Drive, Harrison Twp., MI 48045 800-626-6653

Thinswitch™

INSTALLATION INSTRUCTIONS

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

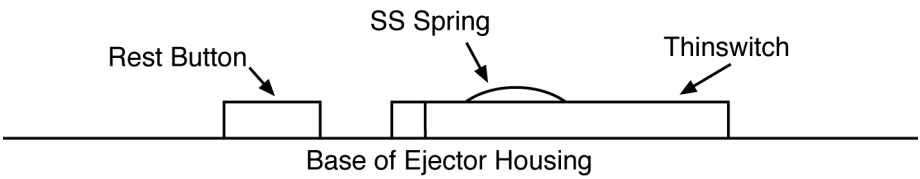
The installation and proper functions of the Thinswitch™ is designed to be used with rest buttons that have a height of 0.1875". If the rest buttons are shorter, then a pocket to accept the Thinswitch should be machined in the ejector housing to bring the top of the Thinswitch to the same height as the top of the rest buttons. The stainless steel spring should extend above the rest buttons in all cases.

The Thinswitch should be mounted with the decal against the ejector housing, and the arrow on the face of the unit should be pointing up when the mold is in the press. This will allow any moisture that enters below the spring to drain. Moisture should be avoided at all times.

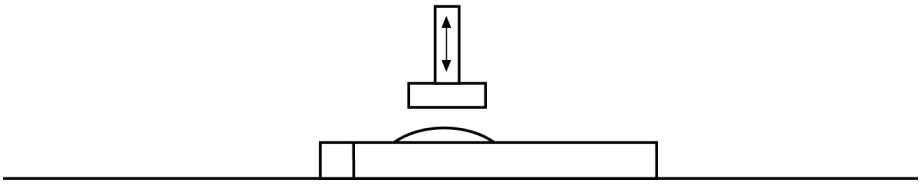
With the Thinswitch in position, verify that the stainless steel spring extends above the rest buttons. If the rest buttons are on the ejector plate, be sure that they will miss the Thinswitch and wire clips when the mold is closed.

Drill and tap with two 10-24 mounting screw holes. Install screws. Install wire clips where desired.

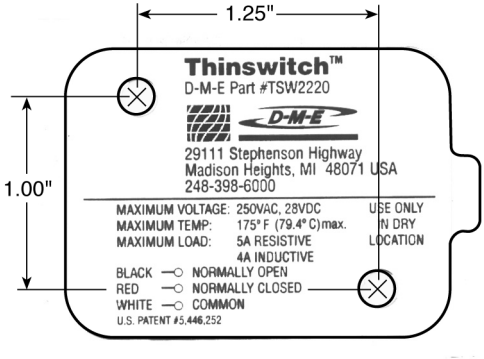
After installing, verify proper operation with ohmmeter before placing mold in operation.



The Thinswitch can also be used with a bolt or pin actuator as shown below. Care should be taken to avoid crushing the housing with the actuator.



The operating point of the switch is adjustable by turning the set screw located in the end of the body near the spring. The minimum operating point is .187" and the maximum recommended height is .250". Each 1/4 turn of the adjusting screw changes the operating point about .012". The operating point should be adjusted to .010" to .015" before the end of the ejector plate stroke. **Adjusting the operating point greater than .020" before the end of the ejector plate stroke can result in premature spring failure which can leave the switch inoperable.** Wiring should be in accordance with prevailing electrical wiring standards. The Thinswitch can be wired direct to injection molding machine controls or to an approved locking male plug. The matching electrical receptacle approved outlet box with cover plate can be mounted to the molding machine for convenience.



LIMITED WARRANTY

Seller warrants that this product supplied will conform to the description herein stated and that the product will be of standard quality. This is the sole warranty made by Seller with respect to this product. Seller expressly disclaims any other express or implied warranties, including, but not limited to, the implied warranty of merchantability and the implied warranty of fitness for a particular purpose.

Seller shall not be liable for any cost or damages, whether direct, incidental or consequential, including, but not limited to, any injury, loss or damage resulting from the use of this product, regardless of whether any claim for such cost or damages is based on warranty, contract, negligence, tort or strict liability. The sole liability of Seller is limited to repairing or replacing this product.

This warranty shall not apply to any products that have been repaired or altered by anyone other than Seller. The warranty shall not apply to any products subject to misuse due to common negligence or accident, nor to any products manufactured by Seller which are not installed or operated in accordance with the printed instructions of Seller or which have been operated beyond the rated capacity of the goods