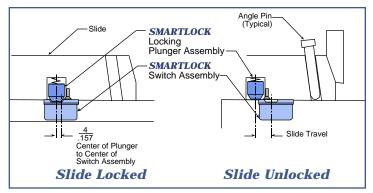


SMARTLOCK®

SLIDE RETAINER AND LIMIT SWITCH





Specifications

Break Away Force*......17 to 27 lbs.
(Adjustable)
Electrical250VAC / 28VDC
4 Amps Inductive
5 Amps Resistive

See chart below for temperature effects on maximum current rating

Operating Temperature

SL-222-CP......175°F (79.4°C) max. SL-291-CP......250°F (121°C) max.

Rated Currents vs. Steel Temperature					
SL-222-CP			SL-291-CP		
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

General Description

Smartflow **SMARTLock** slide retainer and limit switch is designed for injection molders to provide switching and a slide detent in one unique package. The **SMARTLock** locking function prevents premature slide movement during molded part ejection while the SPDT switch is simultaneously actuated.

The **SMARTLOCK** slide retainer and limit switch has been tested for reliability over 10 million cycles without failure. Two or more switches may be used for larger molds, or molds with multiple slides. Increased safety and prevention of mold damage result when the **SMARTLOCK** slide retainer and limit switch is installed in a mold. A capture screw holds the plunger in the slide to prevent loss.

Features and Benefits

- Over 10 million cycle life provides long dependable service.
- 17 27 pounds holding force, adjustable
- Capture screw holds plunger in place to prevent loss.
- 175°F (79.4°C) standard temperature rating allows installation into most molding applications.
- 250°F (121°C) high temperature unit provides additional application flexibility.
- Superior flush mount switch is protected by mounting inside a milled pocket.
- Stripped and tinned 6 ft. wire leads make the switch ready to install without modification.



1700 E. 123rd Street, Olathe, Kansas 66061 Tel. 800-764-3518 Fax 913-764-1714 www.smartflow-usa.com

Materials

Switch BodyGlass-reinforced nylon Locking Plate............Hardened Steel Locking Plunger..........Hardened Steel Wire Leads22ga stranded, 3-conductor, shielded cable, 6 ft. (1.8m) long, ends stripped and tinned

design and specifications are subject to change without notice.



SMARTLOCK® SLIDE KETAINS LIMIT SWITCH

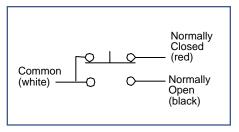
SLIDE RETAINER AND

Model Number

SL-222-CP SmartLock slide retainer and limit switch with captive plunger (175°F / 79.4°C max.)

SL-291-CP High Temperature SmartLock slide retainer and limit switch with captive plunger (250°F / 121°C max.)

Schematic Diagram



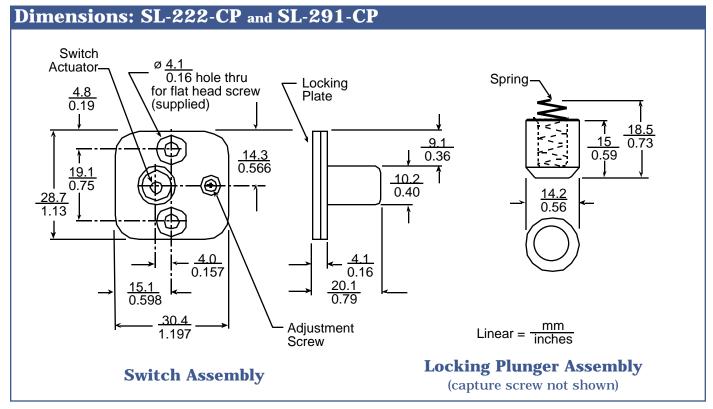
Replacement switches with small plunger

(.44"/11mm dia)

SmartLock slide retainer and limit switch **SL-222** (175°F / 79.4°C max.)

SL-291 High Temperature SmartLock slide retainer and limit switch (250°F / 121°C max.)

SmartLock Slide Retainer and Limit Switch is stocked and ready for same-day shipment.



Parts shown actual size Two and Three-Dimensional part files are available for download from our web site at www.smartflow-usa.com.