



Switches



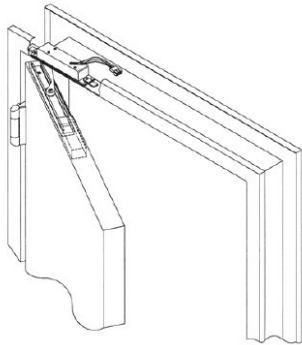
Southern Folger

For More information please call 210-123-4567



Accessories

240CPS Concealed Position Switch



Left Hand Shown

Application

The 240CPS is used where a built-in door indicator switch is desired. This tamper proof unit is mortised into the door and frame. Indicator switch is mechanically activated when the door is moved from the closed position. A switch adjustment is provided to allow for varying field conditions. Provided with security fasteners.

Features

- Handed, Specify LH or RH
- 180° maximum swing
- 12" long, 16 AWG UL wire leads with plug connector
- An eccentric stud on the control arm provides a fine adjustment for varying conditions

Optional Features

Double Circuit, Specify 240CPS-2 This feature allows for an additional circuit to be triggered by the 240CPS

Technical Data

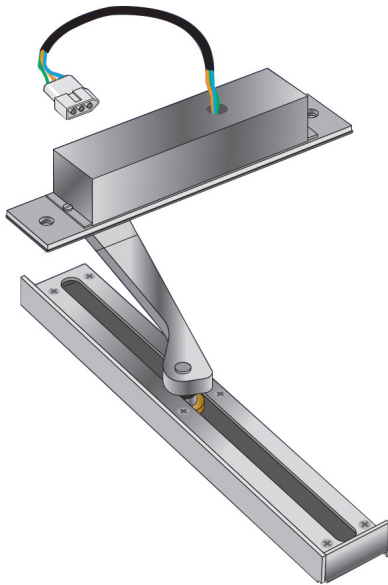
Concealed (In Frame)	1-5/16" H x 1-1/2" W x 7-1/2" L
Control Arm	5" H x 5-3/4" W x 1/2" TK (205FS)
Track (In Door)	3/4" H x 1-1/4" W x 12" L, extruded aluminum alloy
Weight	2 lbs.
Face Plate	Steel, with 1 oiling hole
Electrical	Switch is S.P.D.T. type with a rating of 5 amps at 30 VDC to 250 VAC



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Accessories

201030 Door Position Switch



Application

A typical lock control panel monitor light and/or door interlock circuit is actuated by a “lock status switch” (LSS) and a “door position switch” (DPS). The LSS signals a deadlocked latch bolt and the DPS a closed door. When properly wired together, these switches control indicator lights to signal a secure door (i.e. closed and deadlocked) and/or control an interlock which prevents a door(s) from being electrically unlocked if another door in the group is unlocked. In the absence of a DPS, the aforesaid circuits are controlled only by the LSS within the lock case. Normally, the LSS is tripped when a door is closed and the latch bolt is deadlocked by depression of the auxiliary latch (a.k.a. roller or trigger bolt). (When depressed, the auxiliary latch serves to automatically deadlock the latch bolt.) However, an indication/interlock circuit controlled by the LSS only can be compromised easily. That is, when a door is open, the auxiliary latch can be depressed manually which wrongly signals a secure condition. On the other hand, with the LSS/DPS combination, a door must be closed and deadlocked to obtain a secure signal. Thus, for positive control of door monitor and/or interlock circuits, a DPS is a requirement.

The Model 201030 DPS is actuated mechanically by movement of the door. With a 4'-0" or narrower door and ANSI door/frame installation tolerances, the switch will trip when the leading edge of the door is within 1/2" of the door stop. It is recommended that the Model 201030 be wired in combination with a lock bolt status switch (LSS) to provide a reliable, tamper resistant control panel monitor (e.g., closed and deadlocked green light) and/or interlock circuit.

The 201030 has two components: 1) a switch unit that mortise mounts in the door frame header with an arm that is connected in the field to, 2) a track that mortises into the upper door edge. When the door is closed and locked, all components are concealed which eliminates the possibility of tampering. A door can be opened to a full 180°. The 201030 has an automatic switch adjustment feature that compensates for differing door and frame alignments (e.g., hinge gauge dimension) without the need for tools or trial and error procedures. Simply closing a door self-adjusts the switch setting.

220MRS Magnetic Switch



Application

The 200MRS is used where a built-in door indicator switch is desired. This tamper-proof unit is mortised into the door frame. An actuating magnet is recessed into the door edge. Provided with security fasteners.

Technical Data

Size	4-7/8" L x 1-1/4" W
Weight	1 lb.
Electrical	24 volts (AC or DC)

200MRS TB MAGNETIC SWITCH

Triple Bias Switch

For More information please call 210-123-4567



Accessories

534 Door Position Switch



Application

Model 534 is designed for use as part of a remote electric unlocking and indication system. When wired in series with the indication switches of an electric lock, the switch provides a secure indication of door position at a remote control panel or control console. Fits a standard 2" frame header.

Standard Features

- Pre-set adjustment – The switch is factory set to trip when a 2'-6" door moves 3/8" from its stop.
- Adjustable trip point – Simple adjustments permit use with various size doors.
- Sloped-top design – Precludes hiding of contraband.
- Tamper-resistance – Housing baffles combine with use of tamper-resistant and security screws.
- Heavy duty construction – Case and cover of 10-gauge hot rolled steel; switch actuator formed of 13-gauge, zinc plated cold rolled steel; baffle of 16-gauge hot rolled steel.
- 180 degree door swing.
- Universal mounting – The surface actuator and unique trip mechanism work on all applications, and may be field reset if needed.
- Lower cost installation – Surface mounted door bracket mounts on a hollow metal door.
- Plug connector – Plug with 9" of wire allows pre-wiring of the junction box.
- Finish – Zinc plated.

220A Door Position Switch



Application

The 220A switch actuates a remote lamp indicator or an audible signaling device the moment a swinging door is moved from the fully-closed position. Enclosed in a 10 gauge galvanized steel housing, the 220A is designed for installation on the door frame above the top hinge. A pivoting operator that actuates the switch is attached to the door face with special security screws. The 220A is designed for use on doors with 4 -1/2" or 5" hinges. Specify hinge size and type (220A-5, 220A-4, etc.). Provided with security fasteners.

Technical Data

Size	6-5/16" x 2-1/2" x 1-7/8"
Weight	3 lb.
Electrical	Switch rating SPDT 15 amps at 125 VAC or .5 amps at 125 VDC

200MRS TB MAGNETIC SWITCH

Triple Bias Switch

For More information please call 210-123-4567

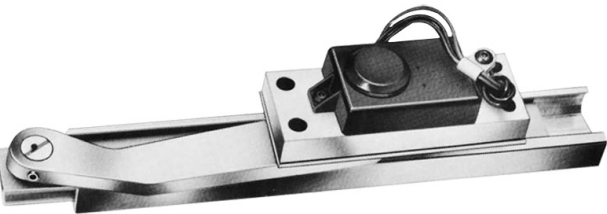


Accessories

523 Fully Concealed Door Position Switch

Application

This switch is recommended for any indication/interlocking circuit, in conjunction with the indication switches for locks, for producing a “secure” signal that a door is closed and locked – primarily for medium/minimum-security doors. Ideal for all in-swinging door conditions, and can be used on either interior or exterior doors.



Standard Features

- Mortise installation – Switch body mortises into the header of a standard, 2” high door frame and the track mortises into the top edge of a door.
- Fully concealed – Switch body and track are inaccessible when the door is closed.
- Self-concealing slide and track – low-friction, nylon slide and extruded, aluminum track with a natural finish.
- Adjustable switch – An eccentric stud on the connecting arm provides a fine adjustment of the switch for variations in field conditions.
- Plug connector – A two-piece, electrical connector which permits field wiring, without having the switch present, and allows removal of the switch, without disturbing the field wiring. The receptacle of this connector has 9” long wire leads and may be sent to the job site for prewiring of the opening. When the switch is installed, its connector simply plugs into the already-wired, field receptacle.
- Tamper-resistant screws are used for exposed locations.
- Handed – Specify either left hand (LH), for left-hand and right-handreverse doors; or right hand (RH), for right-hand and left-hand-reverse doors.
- Supplied with mounting screws, wiring diagram, template information and installation/operation instructions

Operation

The indication switch is factory set and trips when a 3’-0” wide door moves approximately 3/8” away from the doorstep. (A 1/4” allowance of door movement is built into this setting, eliminating a false indication which may be produced by shaking the door.) A fine adjustment for variations in field conditions is provided by an eccentric stud on the connecting arm. As the door is opened, the slide conceals its opening in the track. When the door is closed, the unit is fully concealed.

