

5140 MORTISE CYLINDER KEY SWITCH

**Accepts Standard
Mortise Cylinder**

**Single or Dual
Switch Blocks**

**Multiple Position
Switch Modes**

**Narrow to Wide
Switch Plates**

**Tamper Resistant
Screws**



Wide Range of Operating Modes

Key operated mortise cylinder switches can restrict use of electrically operated entrance control systems, alarms, electric locking devices and other similar equipment. Actuation of switch controls can be limited to authorized key carrying personnel.

Ideal for after hours access into buildings, such as apartment entrances with magnetic locks and time controlled locking systems. Key switches can also be used to authorize by-passing or shunting of door alarms and delayed release exit control systems. Other applications are security interlock override to restricted areas. The mode selection of day/night automatic door operating systems can be controlled with key switches.

Versatile Key Switch Assemblies

The 5140 series switches are fully adjustable to allow activation by most cylinder cams.

Single and double gang plates are available for flush wall or surface box mounting. A narrow switch plate is offered for mounting on hollow metal or aluminum door frames. Switch plates are furnished in satin finish, stainless steel or anodized aluminum.

Multiple Switch Configurations

Key switches may be combined with LEDs to provide door status or other conditions. The sounder option can be used with other logic controls to alert personnel of an alarm condition and then be reset from the key switch.

Switch actions can be momentary, maintained or alternate action. A pneumatic time delay module can be used to provide adjustable delayed switching of auxiliary contacts. Key switches may combine multiple operating modes, such as maintained and momentary action, in the same assembly. A combination of this configuration would typically have a center off position with the action being left for momentary and right for maintained.

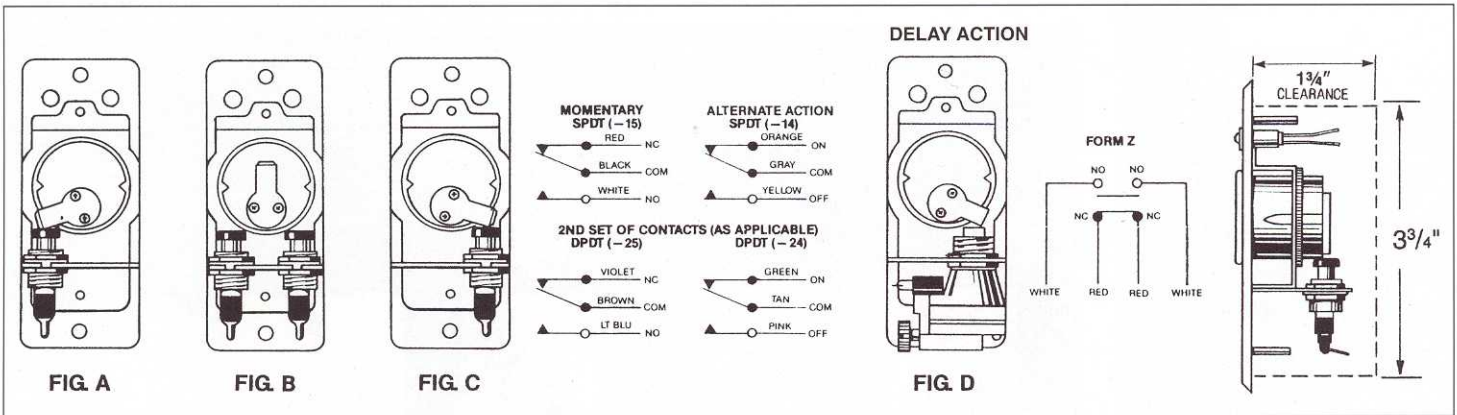
High Security Switches

Additional security can be provided with the optional concealed tamper switch. This can be used to signal an alarm monitoring device of attempts to defeat the key switch.

Tamper resistant, socket hex head screws with security pins, are also available as an option to further enhance security.



5140 SERIES MORTISE CYLINDER KEY SWITCHES



Specifications:

Clearance Dimensions
1-3/8" x 3-3/4" x 1-3/4"

Contact Rating -
Momentary - 3 amp @ 125 VAC
Alternate Action - 3 amp @ 125 VAC

Time Delay - 10 amp @ 125 VAC
(Resistive)

Single Gang Switch Plates:

- 5141-14 = Single Alternate Action SPDT Switch
- 5141-15 = Single Momentary Action SPDT Switch
- 5141-23DA = Double Break Delayed Action SPDT Switch
- 5141-24 = Single Alternate Action DPDT Switch
- 5141-25 = Single Momentary Action DPDT Switch
- 5141-2/14 = Double Alternate Action SPDT Switch
- 5141-2/15 = Double Momentary Action SPDT Switch
- 5141-14/15 = Single Alternate Action SPDT Switch & Single Momentary Action SPDT Switch
- 5141-14xP15 = Single Alternate Action SPDT Switch & Single Momentary Push Button Switch

Switch Plate Options:

- N5141-? = Narrow (1-3/4" wide) Switch Plate for Mullion Mount
- WR5141-? = Weather Resistant Switch Plate for Weather Resistant Box

Double Gang Switch Plates:

- D5141-14x2/P15 = Single Alternate Action SPDT Switch & Two Momentary SPDT Push Buttons
- D5141-15xP15 = Single Momentary SPDT Switch & One Momentary SPDT Push Button Switch
- D5141-15x3/P15 = Single Momentary SPDT Switch & Three Momentary SPDT Push Button Switches
- D5141-15xH50 = Single Momentary SPDT Switch & One Sounder
- D5141-15xH50xP15 = Single Momentary SPDT Switch & One Sounder & One Momentary SPDT Push Button

LED Option:

XL = One bi-color LED

Accessories:

- 500351 - 1 Gang Electrical Box
- 500352 - 2 Gang Electrical Box
- WR500351 - Weather Resistant Single Gang Electrical Box
- WR500352 - Weather Resistant Double Gang Electrical Box

Suggested Applications:

Use the 5141-15/15 to signal an access control system to unlock a door with one SPDT switch and also cut off power to the magnetic lock with the second set of SPDT contacts.

The 5141-23DA can be used to unlock a door for a single passage using the adjustable time delay feature. When the D5141-23DAXH50 is used to control a magnetic door lock with door position switch a "door held open too long" alarm can be created.

Frequently the 5141-15xL is used to arm or disarm a controlled device and have the status indicated by the LEDs. The 5141-15 can also be used with the EDR System 101 to allow an authorized entry and momentarily shunt the alarm.

The 5141-14 can be used to unsecure a building entrance for free access during normal day periods. If a 5141-14/15 is used to allow both momentary unlocking for access and an alternate action for toggling the locks on and off for extended periods, the addition of LED indicators will assist the users to know the status of the system.

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