THE MORTISE CYLINDER
KEY SWITCH ADVANTAGE

SDC Key Switches may be keyed the same as existing mechanical locks and incorporated into the master key system.

Compatible with interchangeable core mortise key cylinders.

18 different contact configurations available (includes time delay options).

Heavy Duty ratings: 10 amps at 30VDC.
Standard Duty ratings: 6 amps at 30VDC.

STANDARD FEATURES
• Compatible with 1\frac{1}{8}” and 1\frac{3}{4}” standard and interchangeable core mortise key cylinders (supplied by others).

NOTE: 800 models for 10 amps require a 1\frac{3}{4}” cylinder
• Key cylinder recessed for tamper resistance.†
• Tamper proof spanner screws.
• 6 amps or 10 amps at 30VDC.
• Finish: 630 dull stainless steel.
• 6” 22 gauge wire leads.
• Switch position adjustable for cylinder compatibility.
• Large actuator assembly for positive circuit activation.
• 700N, 800N and FR Series fit 1\frac{3}{4}” hollow metal or aluminum frames.
• 700 and 800.

OPTIONS
L1 One LED indicator light. Specify color: Red or Green. Specify voltage: 12V or 24V.
L2 Two LED indicator lights. Red and Green. Specify 12V or 24V.
ATS-1 Tamper switch SPDT. .25 amp max.
RMB Buzzer 12V or 24V. 2 gang box required.
SN Siren 6 to 28V. Specify AC or DC. 2 gang box required.
10TD Time Delay, adjustable 1-60 seconds. Compatible with all momentary switches. Input: 12 or 24V.
PS-1 Push Switch Alternate Action SPDT.

FINISHES
605 Bright Brass 611 Bright Bronze
606 Dull Brass 612 Dull Bronze
613 Oil Rubbed Bronze 625 Bright Chrome

SS-632 Spanner Screw Drivers are available.

†700N. FR not recessed.

FR SERIES
HIGH SECURITY
COMMERCIAL/INDUSTRIAL
FR switches are designed to mortise through the face of the frame in a 1\frac{3}{4}” hollow metal or aluminum frame with only the key cylinder exposed. No faceplate or screws are exposed for intruders or vandals to tamper with when installed on the pull side of the door opening.

700 SERIES
Standard
700N SERIES
Narrow

COMMERCIAL/INDUSTRIAL
The 700 style is wall mounted and fits a single gang mortise or surface mounted box.

The 700N is designed for mounting on a 1\frac{3}{4}” minimum hollow metal or aluminum frame.

Material: 20 gauge stainless steel standard.

\frac{1}{4}” thick stainless steel

800 SERIES
High Security
800N SERIES
Narrow High Security

INDUSTRIAL/INSTITUTIONAL
The 800 style is wall mounted and fits a single gang mortise or surface mounted box.

The 800N is designed for mounting on a 1\frac{3}{4}” minimum hollow metal or aluminum frame.

Material: \frac{1}{4}” stainless steel.
Models 701-705 and 713 available 10 amp and 6 amp. All other models are 6 amp. For 6 amp switches add suffix (-6) after the model numbers.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>CONTACT</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>FR01</td>
<td>701</td>
<td>ALTERNATE ACTION SPDT ON-OFF switch will make or break a circuit for extended periods of time, until key is inserted and turned again.</td>
</tr>
<tr>
<td>FR02</td>
<td>702N</td>
<td>MOMENTARY SPDT Switch will momentarily make or break a circuit.</td>
</tr>
<tr>
<td></td>
<td>802</td>
<td>SOLID STATE TIME DELAY SPDT ADJUSTABLE 1-60 SECONDS Momentarily turn of the key activates timer. Two gang box mounted.</td>
</tr>
<tr>
<td>FR05</td>
<td>705N</td>
<td>ALTERNATE ACTION DPDT ON-OFF Switch will either make or break two separate circuits for extended periods of time until key is inserted and turned again.</td>
</tr>
<tr>
<td></td>
<td>805N</td>
<td>MOMENTARY DPDT Switch will momentarily make or break two separate circuits.</td>
</tr>
<tr>
<td>FR06</td>
<td>706N</td>
<td>#1 MOMENTARY SPDT #2 MOMENTARY SPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning key to the right momentarily makes or breaks circuit #2.</td>
</tr>
<tr>
<td>FR07</td>
<td>707N</td>
<td>#1 ALTERNATE ACTION DPDT #2 ALTERNATE ACTION SPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning key to the right makes or breaks circuit #2 for extended periods of time.</td>
</tr>
<tr>
<td>FR08</td>
<td>708N</td>
<td>#1 MOMENTARY SPDT #2 ALTERNATE ACTION SPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning key to the right makes or breaks circuit #2 for extended periods of time.</td>
</tr>
<tr>
<td></td>
<td>808</td>
<td>#1 ALTERNATE ACTION SPDT #2 ALTERNATE ACTION SPDT Key operates two separate switches. Turning key to the left makes or breaks circuit #1 for extended periods of time. Turning key to the right makes or breaks circuit #2 for extended periods of time.</td>
</tr>
<tr>
<td></td>
<td>710D</td>
<td>#1 SOLID STATE TIME DELAY SPDT ADJ. 1-60 SECONDS #2 ALTERNATE ACTION SPDT Turning key left activates time delay. Turning key right makes or breaks circuit #2 for extended periods of time. 2 gang box mounted.</td>
</tr>
<tr>
<td></td>
<td>810D</td>
<td>#1 MOMENTARY DPDT #2 MOMENTARY DPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning the key to the right momentarily makes or breaks circuit #2 for extended periods of time.</td>
</tr>
<tr>
<td></td>
<td>711</td>
<td>#1 ALTERNATE ACTION SPDT #2 ALTERNATE ACTION SPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning the key to the right makes or breaks circuit #2 for extended periods of time.</td>
</tr>
<tr>
<td></td>
<td>712N</td>
<td>#1 MOMENTARY DPDT #2 ALTERNATE ACTION SPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning the key to the right makes or breaks circuit #2 for extended periods of time.</td>
</tr>
<tr>
<td></td>
<td>812N</td>
<td>#1 ALTERNATE ACTION DPDT #2 ALTERNATE ACTION SPDT Key operates two separate switches. Turning key to the left momentarily makes or breaks circuit #1. Turning the key to the right makes or breaks circuit #2 for extended periods of time.</td>
</tr>
</tbody>
</table>
FRAME PREPARATION

FR SERIES Key switches can be mortised in a 1 3/4" frame, with only the key cylinder exposed through the face of the frame. There is no faceplate for intruders or vandals to tamper with. Installation is accomplished through an access plate in the rabbet of the frame. For jamb preparation see Figure B. *Where electrical boxes are required see Figure C.

NARROW Key switches fit a 1 3/4" frame. For jamb preparation make cut out as shown in Figure A. Using faceplate as a template, drill and then tap for 6-32 screws.

KEY SWITCH ASSEMBLY

Check key cylinder for proper tailpiece. For 02 and 04D key switches only, invert tailpiece as shown in Figure F. Pass key cylinder through faceplate and switch bracket and tighten locknut. See Figure D. Install stop screws to 02 and 04D key switches only, as shown in Figure F.

Use key cylinder manufacturer's equivalent.

WIRING

WHITE  --  Common
ORANGE  --  Normally Closed
YELLOW  --  Normally Open
400 SERIES SWITCH CONTROLS AND STATUS INDICATORS

The 400 Series switches and indicator lights may be used as on-site or remote door controls and status indicators. Designed for esthetic and technical compatibility with other widely used components, these switch combinations and options provide clean and efficient door controls for most applications.

STANDARD FEATURES

- 400 Series fit standard single gang boxes (narrow plate optional).
- All switches 1 3/4” deep unless stated otherwise.
- Faceplate: 20 gauge, dull stainless steel.
- 6” 22 gauge wire leads.
- Multiple stations available.

ORDERING INFORMATION

MO  Momentary.
AA  Alternate Action (ON-OFF).
SPDT  Single Pole Double Throw. Unless stated otherwise, all switches are SPDT.
DPDT  Double Pole Double Throw.
Specify lens color: R-Red, G-Green, A-Amber, W-White

OPTIONS

N  1 3/4” narrow face plate
E  EXIT engraved button (401 through 411 only)
EM  EXIT engraved mushroom switch
L  Illuminated Push Switch (specify 12 or 24V)
L1  One Red or Green LED (specify 12 or 24V)
L2  One each Red and Green LED (specify 12 or 24V)
RMB  Buzzer (specify 12 or 24V)
SN  Siren, 85db. 6-28V AC or DC

MULTIPLE STATIONS

Add suffix indicated below to indicate quantity of stations required.

<table>
<thead>
<tr>
<th>SUFFIX</th>
<th>STATIONS</th>
<th>SIZE FACEPLATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>2</td>
<td>2 gang</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>2 gang</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>3 gang</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>4 gang</td>
</tr>
<tr>
<td>6</td>
<td>6</td>
<td>5 gang</td>
</tr>
</tbody>
</table>

SPECIAL FINISHES

- 605 Bright Brass
- 606 Dull Brass
- 613 Oil Rubbed Bronze
- 611 Bright Bronze
- 612 Dull Bronze
- 625 Bright Chrome

WIRE COLOR CODE

- White - Common
- Yellow - Normally Open
- Orange - Normally Closed
- Red - Lamp

PUSH SWITCHES

5/16” square button 5 amps. @ 30VDC.
Specify lens color: R-Red, G-Green, A-Amber

| 401 | AA |
| 402 | MO |
| 403D | MO with 10TD time delay |
| 404 | MO DPDT |
| 405 | AA DPDT |
| 406 | 2 MO |
| 407 | 3 MO |
| 408 | 2 AA |
| 409 | 3 AA |
| 410 | 1 AA and 1 MO |
| 411 | 1 AA and 2 MO |

1 1/2” MUSHROOM SWITCH

6 amps. @ 30VDC (non-lampable). Available in Red or Green only.

| 431 | AA 2” depth NO or NC |
| 432 | MO 2” depth NO or NC |
| 433D | MO with 10TD Time Delay. |
| 434 | MO NO and NC |

2 3/4” MUSHROOM SWITCH

For handicap application. Supplied on two gang plate only. 6 amps. @ 30VDC. Red or Green only.

| 441 | AA 2” SPDT |
| 442 | MO 2” SPDT |
| 443D | MO with 10TD Time Delay. |
| 444 | MO 3” depth. (2) MO, NO and (2) MO, NC |

LED STATUS INDICATORS

(specify 12 or 24V)

| 400-L1 | One Red or Green. Specify |
| 400-L2 | One each Red and Green |
| 400-L3 | One each Red, Green and Amber |