

ELECTRIC SWITCH LOCK – INTRODUCTION

Stanley Security Solutions offers a line of electric switch locks available in various “on-off” and “momentary” keyed switch functions. Circuitry variations are available in single, double and triple pole with varied voltage and amperage ratings. Units may be keyed into any BEST® system. The BEST interchangeable core offers versatility and adaptability for new and existing electrical controls, panels, machines, etc.

Features

- Double D lock cylinder prevents slipping and turning
- Screw terminals on all switch locks (except the 1W7A1) provides ease of installation
- All switches are UL recognized or listed

Note on functionality: Switch lock keys can only be removed in the 12 o'clock position.

How to select a switch lock

1. Determine the electrical requirements for the device being controlled:

- Voltage (for example: 115 VAC or 24 VDC)
- Current or horsepower (for example: 6 amps or 1/2 horsepower)
- Type of load
 - Resistive (for example, heater elements)
 - Inductive (for example, motors, large transformers)
 - Lamp (for example, incandescent lights)

2. Determine the switch configuration (poles and throws) and key removal condition:

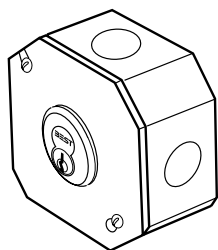
- Poles To determine the number of poles, find how many wires from the power source need to be switched on and off by the switch lock.
- Throws To determine the number of throws, find how many wires to the device the switch needs to control. For example, if a switch needs two different “on” conditions (low and high speed), two throws are needed. Or if the device is simply an “on-off” type (only one wire), you need one throw.

NOTE: A switch throw may be left unwired and used as an “off” condition.

- Key removal To determine the key removal condition, ask the question, “When the key is removed, should the switch be “off”, or could the switch be either “on” or “off”?” Although the key can only be removed in the 12 o'clock position, the switch itself may be left in two or three positions. Check each switch lock for key removal switch positions.

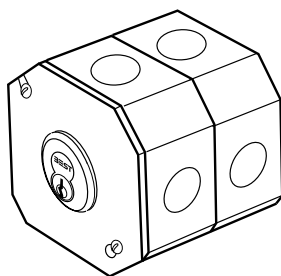
3. Use the information collected and find the switch lock that best meets the requirements. Refer to the following catalog pages for a description of each switch lock. If environmental conditions make it necessary that the switch lock be housed in an electrical box, see the Optional boxes below for the box that best suits the switch lock and your application.

OPTIONAL BOXES



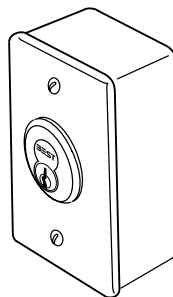
OC1

Standard octagon
3 1/2" x 3 1/2" x 1 5/8"



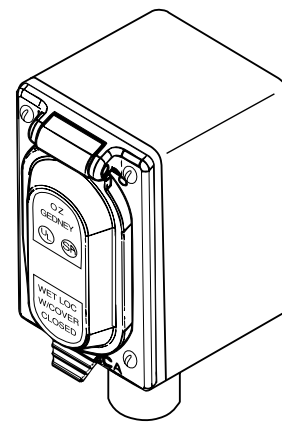
OC2

Deep octagon
3 1/2" x 3 1/2" x 3 1/4"



INT

Interior box
4" x 2 1/8" x 1 7/8"



SWR

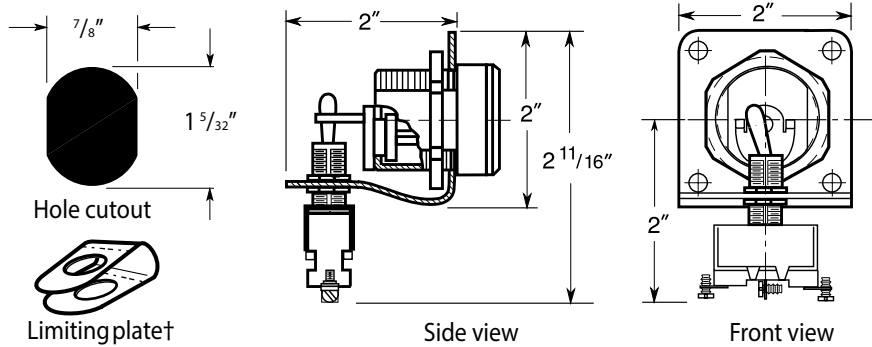
Standard weather
resistant box
4 5/8" x 2 7/8" x 3"

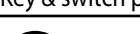


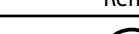
HOW TO ORDER – 1W ELECTRIC SWITCH LOCK

1W	7	B1	626	SWR
Series	Core Housing	Function	Finishes	Box
1W	7- 7 pin housing accepts all BEST® cores	see pages 15-19	605 606 611 612 613 619 622 625 626 690	OC1 OC2 INT SWR

1W ELECTRIC SWITCH LOCKS 1W7L2

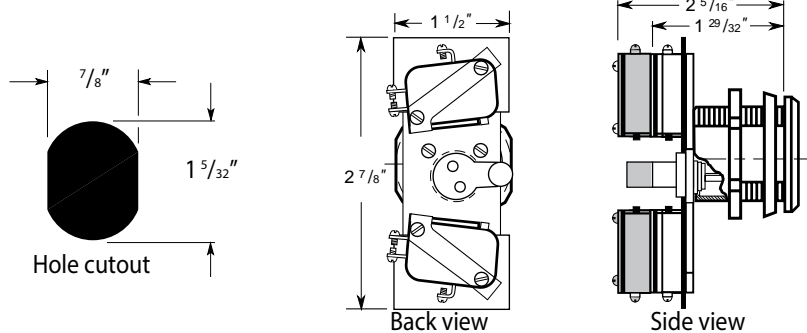
Contact rating	110 VAC or VDC, 12 amps, resistive
	220 VAC or VDC, 6 amps, resistive
Operating temperature	up to +221°F (+105°C)
Switch type	SPDT (Single pole-double throw)
Switch lock action	Maintained
Number of switches per assembly	One




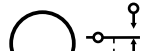


Key & switch positions			Remove key	Optional boxes
				SWR
Key pos. 1 Swt. pos. 1	Key pos. 2 Swt. pos. 2	Key pos. 3 Swt. pos. 1	Key pos. 1 only Swt. pos. 1 and 2†	

†Installing the limiting plate limits key removal to switch position 1 or 2. The key is always removed in the vertical position (key position 1).

Contact rating	30 VDC, 15 amps, resistive
	125 VDC, 0.6 amps, resistive
	250 VDC, 0.3 amps, resistive
	125 VAC, 15 amps, resistive
	125 VAC, 5 amps, lamp
	250 VAC, 15 amps, resistive
Horsepower rating	125–250 VAC, 1/2 HP
Operating temperature	up to +176°F (+80°C)
Switch type	SPDT (Single pole-double throw)
Switch lock action	Momentary
Number of switches per assembly	1W7P4: Two 1W7R4: Four



The shaded area shows the additional 1W7R4 switches and cam length.

Key & switch positions			Remove key	Boxes
				SWR INT (1W7P4only)
Key pos. 1 Swt. pos. 1	Key pos. 2 Swt. pos. 2	Key pos.3 Swt. pos.3	Key pos. 1 only Swt. pos. 1 only	

1W7P4 & 1W7R4



1W7P4—two switches



1W7R4—four switches