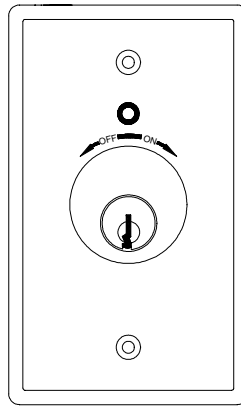
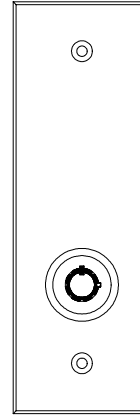


ES450-K1



ES451-K3



ES452-K2

NOTE: Examples above are shown to illustrate some possible configurations and may differ in appearance from actual product received.

ES-	-K1	-K2	-K3/4	Finish	Plate
	Available Option				
450	Y	Y	Y	Painted Aluminum	1 Gang
451	Y	Y	Y	Stainless	1 Gang
452	Y	Y	n/a	Stainless	Mullion

K1 and K2 are SPST; K3 and K4 are DPDT

Dimensions:	W	H	D
ES450	3.00"	4.60"	2.0"
ES451	2.80"	4.50"	2.0"
ES452	1.65"	4.95"	2.0"
Form-C Key Switch Wiring:			
Red - Com	Wht - N/O	Blu - N/C	
Bi-Color LED Polarity:			
Red = Red +	Green -		
Green = Green +	Red -		
Note: Current limiting (15 mA) resistor required, unless used with ES4200 or ES4300 LED output.			

DESCRIPTION:

- The ES450 Series provide a reliable and attractive key switch control to release and shunt secured contacts. These units are typically mounted near the secured door.
- The ES450 Series is designed to provide remote Status LED and Bypass functions for the ES4200 and ES4300 door alarms, in addition to use in a wide variety of stand-alone applications.
- Key Switches are available in a number of configurations, including Double-bitted, Barrel, and RIM Cylinder.
- The Finish (ES45x) and Key (-Kx) are determined by the part number as shown in the above table.
- When Key is turned CW the contacts change state. When Key is restored to full CCW, contacts return to normal.
- K3 and K4 RIM hardware are field configurable for 180 or 360 degree rotation. 180 degree rotation prevents key removal in other than default state. 360 degree rotation allows key removal in either state. Full rotation is enabled by removing the small Phillips screw on the mushroom shaped RIM Cylinder mounting hardware.
- LED-equipped units may be connected to the LED output from an ES4200 or ES4300, and may also be wired to user-supplied equipment if current is limited to 15 mA with an in-line resistor of appropriate value.