

# 730 Series

## Heavy Duty Keyswitches

## INSTALLATION INSTRUCTIONS

### Section 1

#### General Description

The 730 series DPDT keyswitches are a reliable and economical way to turn on and off (730-A) or momentarily activate (730-B) automatic doors or other low voltage electrical devices.

#### Switch Operation Options:

**730-A: Maintained Contact Switch**

**730-B: Momentary Contact Switch**

In addition to the two switch operation options, there are three face plate styles to choose from. The keyswitch assembly will fit in a variety of locations from a 1 3/4" door frame to a single, 2-gang or junction electrical box. Surface mounting boxes are also available from the factory.

730-A or B:	4 1/2" x 4 1/2" stainless steel face plate (fits single, 2-gang, junction electrical boxes)
730-AL or BL:	2 3/4" x 4 1/2" stainless steel face plate (fits single gang electrical boxes)
730-AN or BN:	1 11/16" x 4 1/2" stainless steel face plate (fits 1 3/4" door frames)

### Section 2

#### Basic Installation

##### Single Gang Electrical Box: 730-A or B & 730-AL or BL

- 1) Install the electrical box (purchased separately) in its intended location.
- 2) Insert the mortise cylinder (purchased separately) through the 3/4" shoulder ring and attach it to the keyswitch frame with the supplied cylinder ring nut (Fig. 1).



NOTICE: The keyswitch frame will accommodate mortised cylinder depths from 1 1/8" to 1 1/4" with standard cams (Fig. 2).

- 3) Install the cover plate over the toggle switch and cylinder and secure it with the three 6-32 x 3/16" screws provided completing the keyswitch assembly (Fig. 3).



WARNING: For proper operation ensure that the toggle lever of the switch fits through the oblong hole in the cover plate and moves freely.

- 4) Make the appropriate electrical connections to the 6

conductor wire harness and plug the harness into its connector on the back of the keyswitch assembly (Fig. 4).

- 5) Secure the keyswitch assembly to the electrical box with the 6-32 x 1" screws provided and adjust assembly for squareness. Attach the face plate with the two tamper proof 6-32 screws provided.



NOTICE: If the electrical box is mounted too deep in the wall, it may be necessary to shim out the keyswitch assembly in order to attach the face plate.

##### 2-Gang Electrical Box or Junction Box: 730-A or B

- 1) Install the electrical box (purchased separately) in its intended location.
- 2) Attach the adaptor ring provided (see below) to the electrical box.



- 3) Insert the mortise cylinder (purchased separately) through the 3/4" shoulder ring and attach it to the keyswitch frame with the supplied cylinder ring nut (Fig. 1).



NOTICE: The keyswitch frame will accommodate mortised cylinder depths from 1 1/8" to 1 1/4" with standard cams (Fig. 2).

- 4) Install the cover plate over the toggle switch and cylinder and secure it with the three 6-32 x 3/16" screws provided completing the keyswitch assembly (Fig. 3).



WARNING: For proper operation ensure that the toggle lever of the switch fits through the oblong hole in the cover plate and moves freely.

- 5) Make the appropriate electrical connections to the 6 conductor wire harness and plug the harness into its connector on the back of the keyswitch assembly (Fig. 4).

# 730 Series

## Heavy Duty Keyswitches

## INSTALLATION INSTRUCTIONS

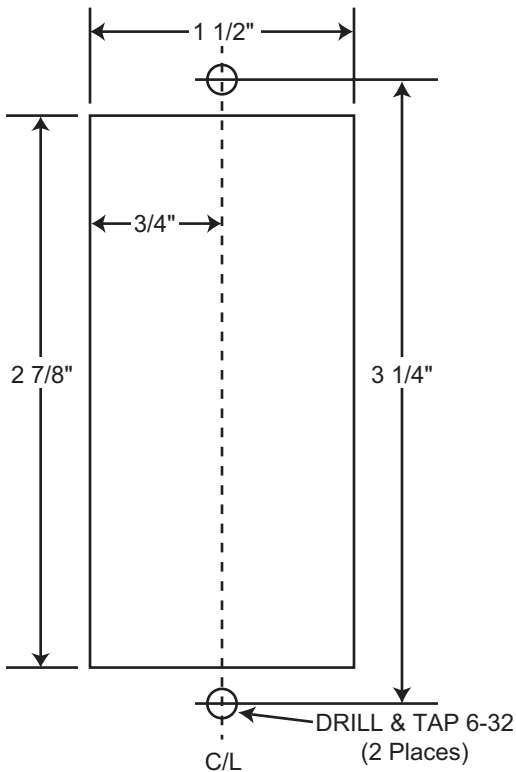
- Secure the keyswitch assembly to the adaptor ring (installed in step 2) with the 6-32 x 1" screws provided and adjust assembly for squareness. Attach the face plate with the two tamper proof 6-32 screws provided.



NOTICE: If the electrical box is mounted too deep in the wall, it may be necessary to shim out the keyswitch assembly in order to attach the face plate.

### Door Frame: 730-AN or BN

- Make a cutout in the door frame at the intended location. Drill and tap 2 mounting holes (see below).



- Insert the mortise cylinder (purchased separately) through the 3/4" shoulder ring and attach it to the keyswitch frame with the supplied cylinder ring nut (Fig. 1).



NOTICE: The keyswitch frame will accommodate mortised cylinder depths from 1 1/8" to 1 1/4" with standard cams (Fig. 2).

- Install the cover plate over the toggle switch and cylinder and secure it with the three 6-32 x 3/16" screws provided completing the keyswitch assembly (Fig. 3).



WARNING: For proper operation ensure that the toggle lever of the switch fits through the oblong hole in the cover plate and moves freely.

- Make the appropriate electrical connections to the 6 conductor wire harness and plug the harness into its connector on the back of the keyswitch assembly (Fig. 4).
- Secure the keyswitch assembly to the cutout with the 6-32 x 1" screws provided and adjust assembly for squareness. Attach the face plate with the two tamper proof 6-32 screws provided.

### Section 3

#### Technical Data

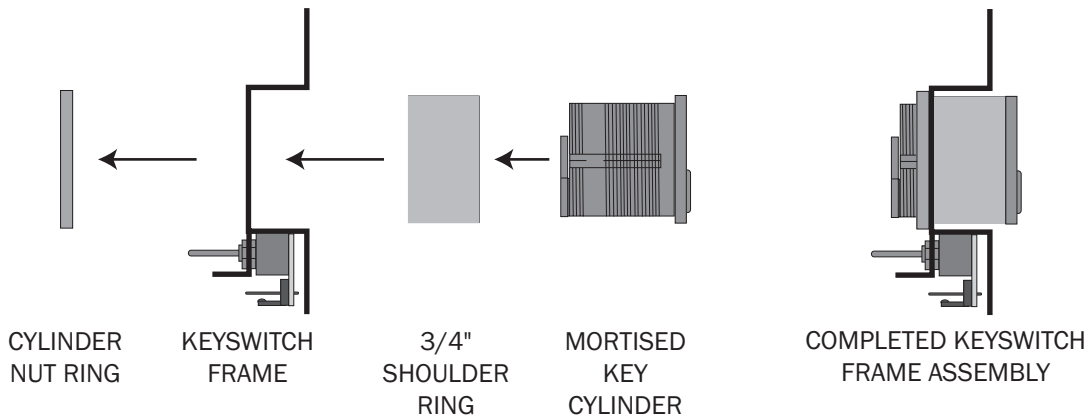
Toggle Switch.....	UL Listed
	Double Pull Double Throw (DPDT)
	Maintained or Momentary Contact
Rating.....	1 Amp

# 730 Series

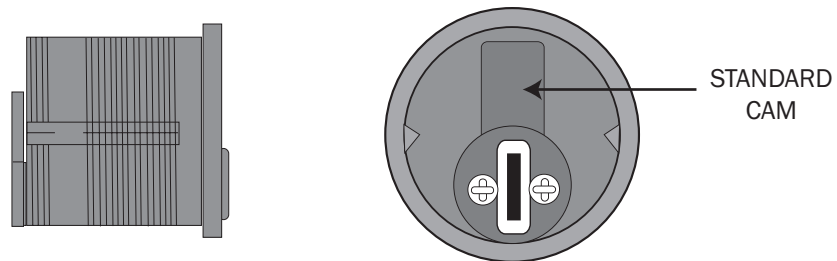
Heavy Duty Keyswitches

INSTALLATION INSTRUCTIONS

**FIGURE 1**

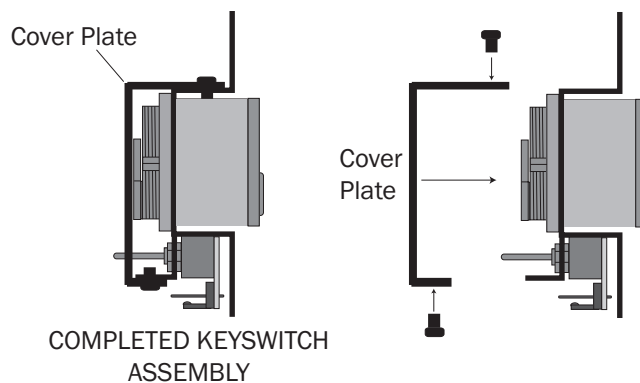


**FIGURE 2**



1 1/8" - 1 1/4" MORTISED CYLINDER

**FIGURE 3**



**WARNING:** For proper operation, ensure that the toggle lever of the switch fits through the oblong hole in the cover plate and moves freely.

**FIGURE 4**

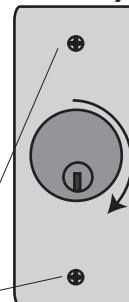
### MAINTAINED ACTION (730-A, 730-AL, 730-AN)

When the key is turned to set the switch in the "CLOCKWISE" position, the contacts are configured as follows:

SWITCH POLE #1	SWITCH POLE #2
Yellow—CLOSED	Blue—CLOSED
White—COM	Brown—COM
Black—OPEN	Violet—OPEN



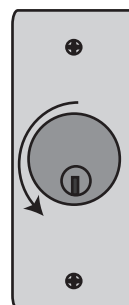
**WARNING:** Use only the provided 1/4" Face Plate screws. Longer screws will damage the printed circuit board and will not be covered under warranty.



**CLOCKWISE ROTATION**

When the key is turned to set the switch in the "COUNTERCLOCKWISE" position, the contacts are configured as follows:

SWITCH POLE #1	SWITCH POLE #2
Yellow—OPEN	Blue—OPEN
White—COM	Brown—COM
Black—CLOSED	Violet—CLOSED



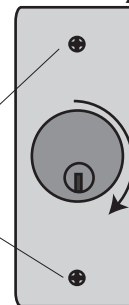
**COUNTER-CLOCKWISE ROTATION**

### MOMENTARY ACTION (730-B, 730-BL, 730-BN)

SWITCH POLE #1	SWITCH POLE #2
Yellow—N.O.	Blue—N.O.
White—COM	Brown—COM
Black—N.C.	Violet—N.C.



**WARNING:** Use only the provided 1/4" Face Plate screws. Longer screws will damage the printed circuit board and will not be covered under warranty.



**CLOCKWISE ROTATION**