Installation (continued)

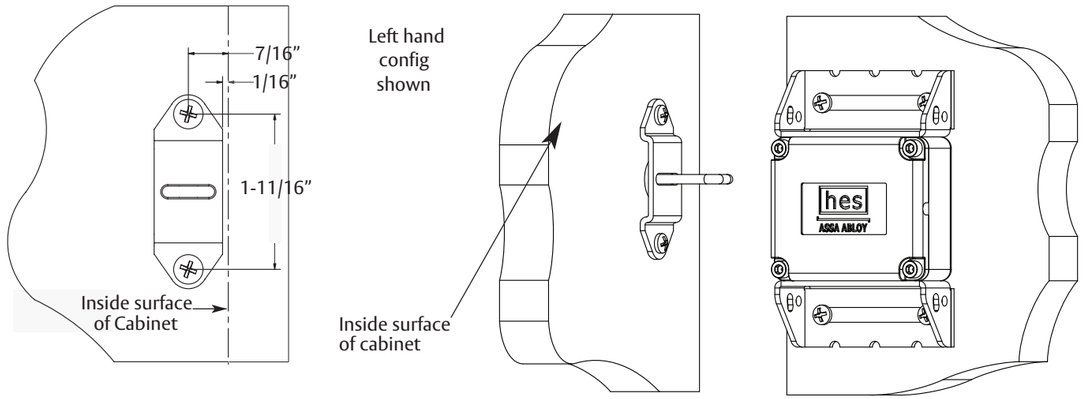

Figure 5: Hook Bracket Assembly Installation

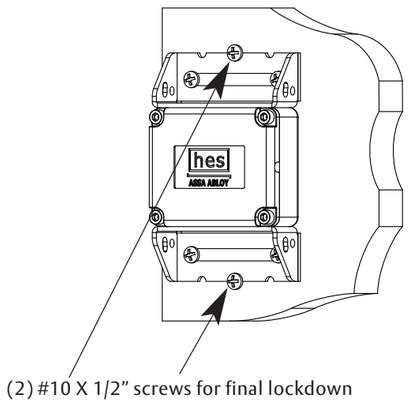

Figure 6: Final Lockdown

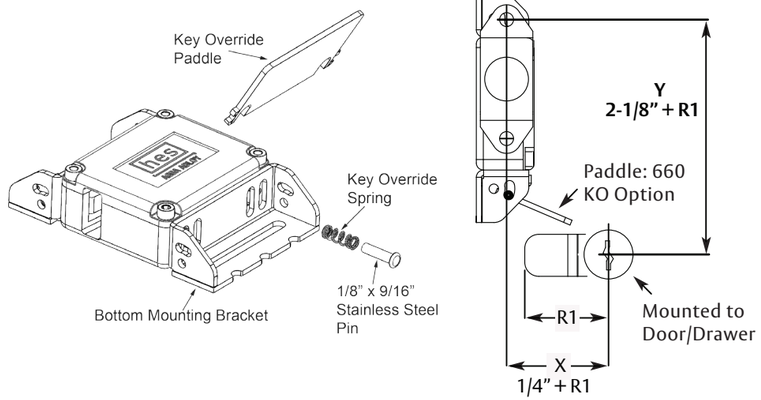

Figure 7: Optional Key Override

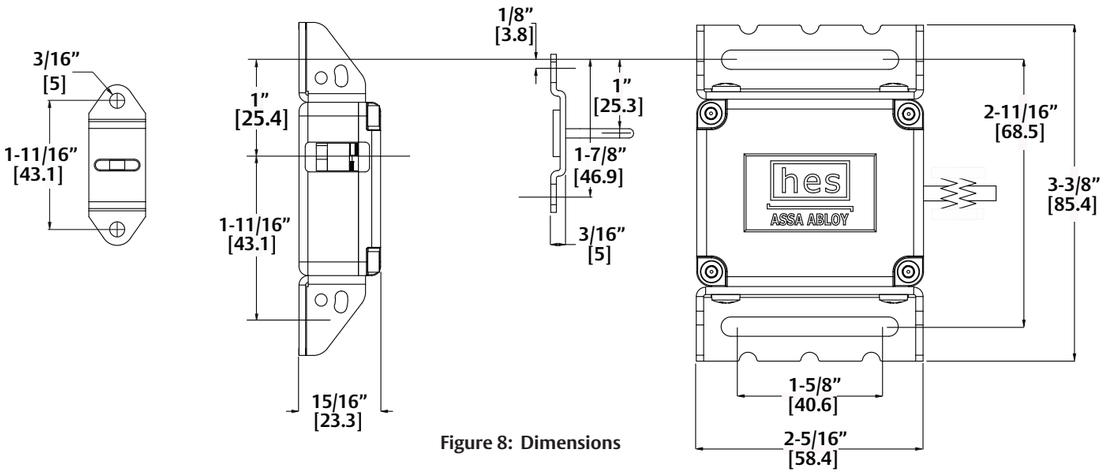

Figure 8: Dimensions

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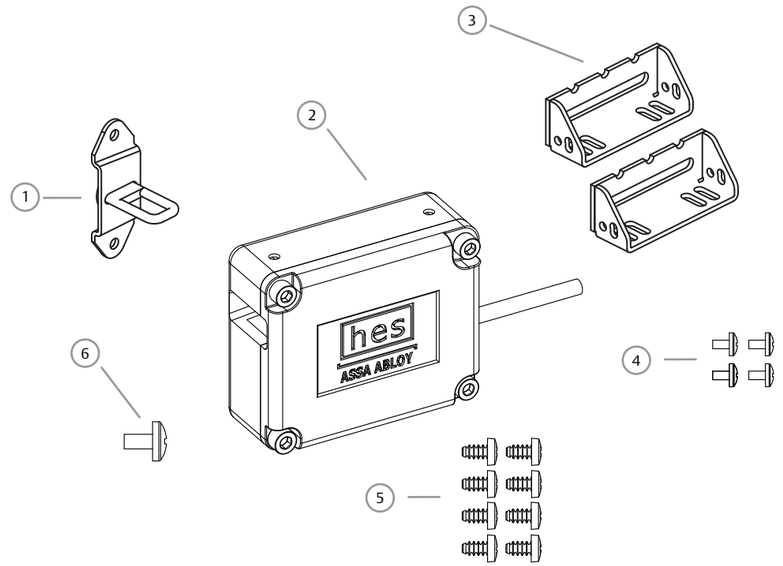
660 Series Multi-Purpose Lock
Installation Instructions

HES, Inc.
Phoenix, AZ 85044
800-626-7590
www.hesinnovations.com

Product Components

1. Hook Bracket Assembly
2. 660 Multi-Purpose Lock Body
3. Lock Mounting Brackets
4. #6-32 X 3/16” Screws
5. #10 X 1/2” Screws
6. #8-32 X 5/8” Screw



NOTE: Dimensions for the 660 Series Multi-Purpose Lock are shown in Figure 8, “Dimensions,” on Page 4.

Electrical Specifications

ELECTRICAL RATINGS FOR SOLENOID	CONTINUOUS DUTY STANDARD		INTERMITTENT DUTY PRELOAD		MINIMUM WIRE GAUGE REQUIREMENTS		
Operating Voltage +/- 10%	12 VDC	24 VDC	12 VDC	24 VDC	SOLENOID VOLTAGE	12 VDC	24 VDC
Resistance in Ohms	48	192	17	67.8	200 feet or less	14 gauge	18 gauge
Watts Seated	3	3	8.4	8.4	200 - 300 feet	12 gauge	18 gauge
Amps Seated	250mA	125mA	700mA	350mA	300 - 400 feet	12 gauge	16 gauge

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in door opening solutions

CAUTION!
Before connecting any device at the installation site, input voltage must be verified using a multimeter. Many power supplies and low voltage transformers operate at higher levels than listed. Any input voltage exceeding 10% of the solenoid rating may cause severe damage to the unit and will void the warranty.

CAUTION!
The Multi-Purpose Lock Body must be wired to a power source prior to insertion of the Hook Bracket Assembly. Failure to do so may result in a permanently locked cabinet/drawer.

Preparing the Lock

1. ATTACH both lock mounting brackets to the lock body using four #6-32 x 3/16" screws, as shown in Figure 1, "Installing the Mounting Brackets."

NOTE 1: The #8-32 X 5/8" screw must only be tightened snug by hand.

NOTE 2: When installed, the #8-32 X 5/8" screw will prevent the capture of the hook bracket assembly by the lock body.

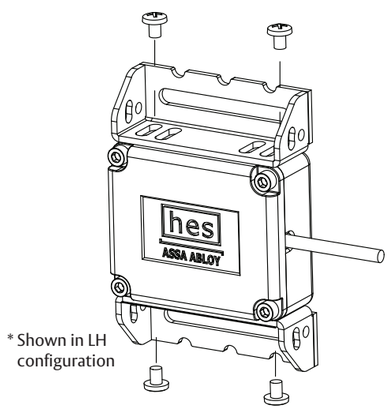
2. To prevent accidental capture of the hook bracket assembly prior to the lock body being wired, gently THREAD the #8-32 X 5/8" screw into the #8-32 threaded hole, as shown in Figure 2, "Installing the #8-32 X 5/8 Screw."

3. **WHEN** the wiring is complete,
THEN REMOVE the #8-32 X 5/8" screw, which will allow the lock body to capture and electrically release the hook bracket assembly.

Preparing the Cabinet/Drawer

4. DRILL four 1/16" diameter pilot holes in the cabinet using the "Model 660 Mounting Template" on Page 3.

5. MOUNT the lock body to the inside of the cabinet/drawer using four #10 X 1/2" screws.



* Shown in LH configuration

Figure 1: Installing the Mounting Brackets

NOTE: If the lock is equipped with the RJ-45 option, a diagram for pin assignments is provided in Figure 4, "Power and LBSM Switch Wiring," on Page 3.

6. CONNECT power to the lock body using Figure 4 as a guide.

7. Electrically CONNECT the LBSM, if applicable.

8. REMOVE the #8-32 X 5/8" screw installed in Step 2.

9. VERIFY catch and release of the unmounted hook bracket assembly after power is connected.

10. MARK the mounting holes for the hook bracket assembly, as shown on Figure 5, "Hook Bracket Assembly Installation."

11. DRILL two 1/16" X 1/2" deep pilot holes for the hook bracket assembly.

12. MOUNT the hook bracket assembly using two #10 X 1/2" screws.

Finishing the Installation

13. **IF** lock body adjustment is needed to ensure a smooth capture and release of the hook bracket assembly,
THEN LOOSEN the #10 X 1/2" and #6-32 X 3/16" screws to adjust the lock body until desired clearance is reached.

14. **IF** additional stability is desired,
THEN DRILL two 1/16" pilot holes and USE two remaining #10 X 1/2" screws for final lockdown of the lock body, as shown in Figure 6, "Final Lockdown."

NOTE: Optional key override must be purchased separately.

15. **IF** the optional key override is used,
THEN PREPARE the cabinet/drawer as shown in Figure 7, "Optional Key Override."

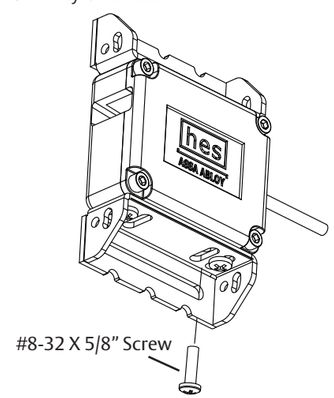
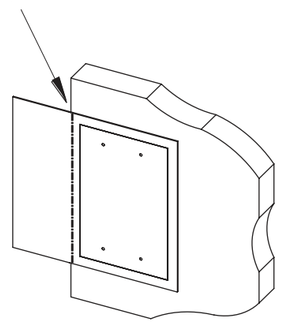


Figure 2: Installing the #8-32 X 5/8" Screw

Dotted line is aligned with outer edge of cabinet. Mounting Template to inside taped to surface of cabinet.

Four 1/16" holes are drilled through paper template.



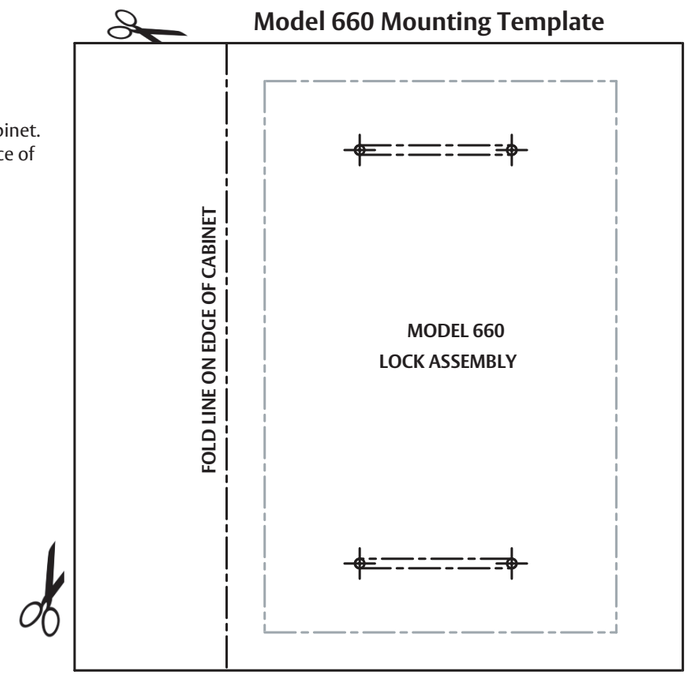


Figure 3: Model 660 Mounting Template

POWER WIRING	
RED	Positive +
BLACK	Negative -

CAUTION!
The lock body is provided as either a 12- or 24-Volt unit. The power supply output must be verified before operating this device.

RED +

BLACK –

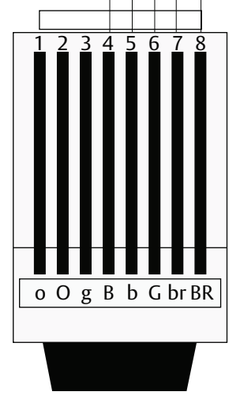
LBSM WIRING*	
White	Common
Orange	Normally Open
Green	Normally Closed

White
Orange
Green

*If applicable

RJ-45 OPTION

PIN4: LBSM (COMMON) - BLUE
PIN5: POWER (NEGATIVE) - BLUE/WHITE
PIN6: LBSM (NORMALLY CLOSED) - GREEN
PIN7: POWER (POSITIVE) - BROWN/WHITE
PIN8: LBSM (NORMALLY OPEN) - BROWN



Pin 1

RJ-45 PLUG

Clip is pointed away

Figure 4: Power and LBSM Switch Wiring