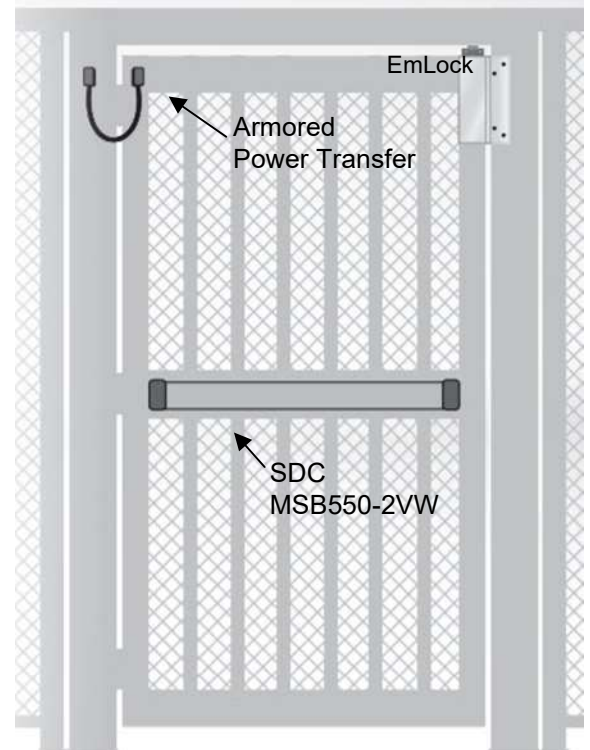# INSTALLATION INSTRUCTIONS

MSB550-2VW / -2YW
OUTDOOR MECHANICAL SWITCH BAR

The MSB550-2VW is an outdoor, weather-resistant mechanical switch bar designed to release any magnetic lock with minimal pressure applied to pushpad and requires no prior knowledge or effort for free egress. The switch bar includes two sealed switches conforming to IP67 (excluding the terminals). The available standard lengths fit standard door openings of 36", 42" and 48" (with stops no greater than ⅝") without cutting.

1. Using a level, mark a horizontal center line at the standard 40" to 42" from the finished floor.

2. With the template provided, center punch all mounting holes and the wire hole by placing template on face of door against door jamb with door in closed position as illustrated in Figure A.

3. Using a ⅜" drill bit, drill four (4) mounting holes through the door and the one (1) wire mounting hole in the hinge side of the door.

4. Install the sex bolts provided from the outside of the door.

5. Install the bar mounting bracket to the latch side of the door using the ¼-20 screws provided.

6. Insert the bar rail under the tab of the installed latch side bracket.

7. Position the bar against the door and install the second bar mounting bracket using the ¼-20 mounting screws provided. Make sure the bar rail is located under the bracket's mounting tab.

8. NOTE: If bar length needs to be cut, install both mounting brackets on the door and measure between upright tabs on bracket for proper length of bar. See "X" dimension on Figure A.

9. See Figure B for wiring connections.

EmLock

Armored Power Transfer

SDC MSB550-2VW

FINAL ASSEMBLY AND TESTING

1. Turn on the lock power.

2. Depress the bar and verify proper operation.

3. Install the end caps with the 8-32 screws provided.

Devices are only to be installed in accordance with the applicable codes and local authorities having jurisdiction. These devices are not intended to replace Listed panic hardware.
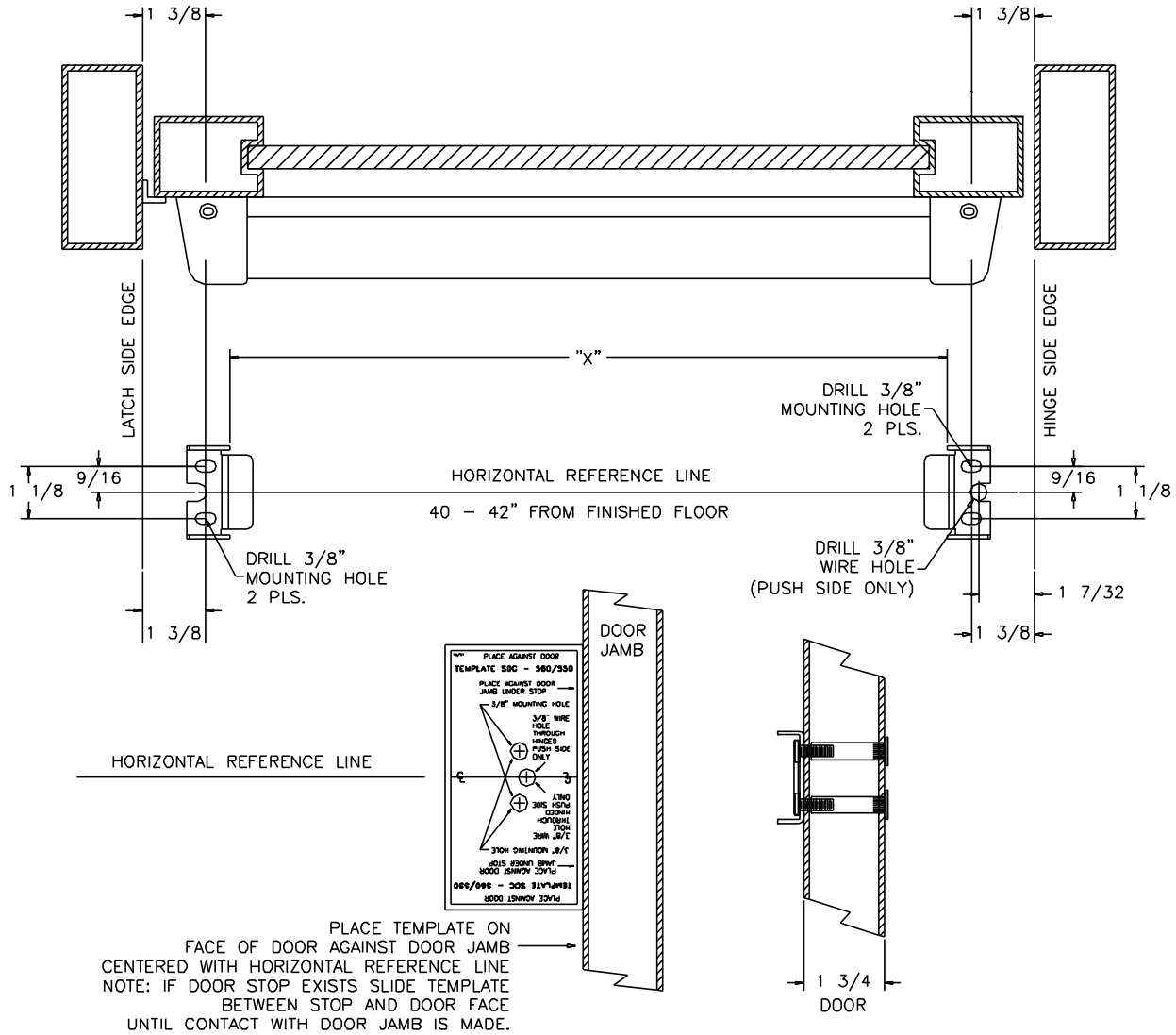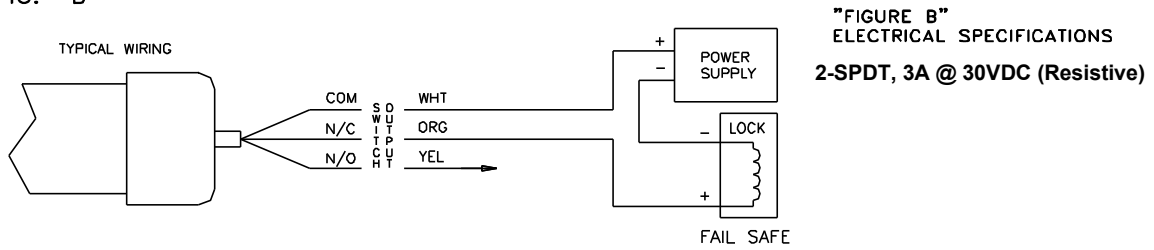
SDC

SECURITY DOOR CONTROLS ■ WWW.SDCSECURITY.COM

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FIG. "A"

1 3/8

1 3/8

LATCH SIDE EDGE

HINGE SIDE EDGE

"X"

DRILL 3/8"
MOUNTING HOLE
2 PLS.

HORIZONTAL REFERENCE LINE
40 - 42" FROM FINISHED FLOOR

1 1/8   9/16

9/16   1 1/8

DRILL 3/8"
MOUNTING HOLE
2 PLS.

DRILL 3/8"
WIRE HOLE
(PUSH SIDE ONLY)

1 7/32

1 3/8

1 3/8

HORIZONTAL REFERENCE LINE

DOOR JAMB

PLACE AGAINST DOOR
TEMPLATE SDC - 360/550
PLACE AGAINST DOOR
JAMB UNDER STOP
3/8" MOUNTING HOLE
3/8" WIRE
HOLE
THROUGH
HINGED
PUSH SIDE
ONLY

PLACE TEMPLATE ON
FACE OF DOOR AGAINST DOOR JAMB
CENTERED WITH HORIZONTAL REFERENCE LINE
NOTE: IF DOOR STOP EXISTS SLIDE TEMPLATE
BETWEEN STOP AND DOOR FACE
UNTIL CONTACT WITH DOOR JAMB IS MADE.

1 3/4

DOOR

FIG. "B"

TYPICAL WIRING

COM — WHT
N/C — ORG
N/O — YEL

SWITCH OUTPUT

POWER
SUPPLY
+
−

LOCK
−
+

FAIL SAFE

"FIGURE B"
ELECTRICAL SPECIFICATIONS

2-SPDT, 3A @ 30VDC (Resistive)

FIG. 1 VOLTAGE OUTPUT TO LOCK AND
DRY SPDT AUXILIARY OUTPUT

COM — **WHT** — COM
N/C — **ORG**
N/O — **YEL** — NO

SWITCH OUTPUT

TIME DELAY
RELAY
COM
NC
NO

TIME DELAY
OR ACCESS CONTROL
REQUEST TO EXIT
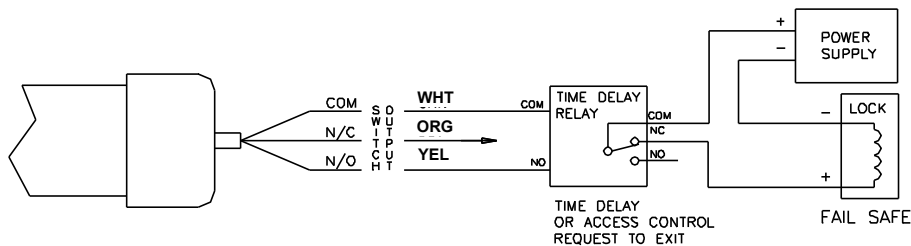
POWER
SUPPLY
+
−

LOCK
−
+

FAIL SAFE

FIG. 2 DRY CONTACT OUTPUT TO TD OR ACCESS CONTROL
AND DRY SPDT AUXILIARY OUTPUT