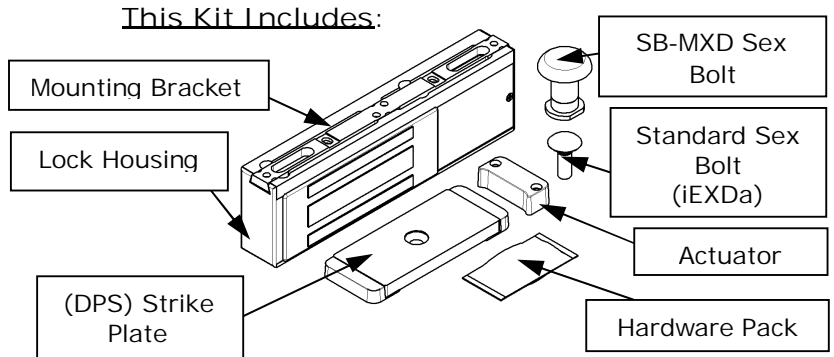


iMXDa/iEXDa QUICK START GUIDE

PRODUCT OVERVIEW

MODEL	iMXDa/iEXDa
Holding Force	1200 Lbs 544kg]
Dimensions: Length	12.5" [318mm]
Height	3.63" [92mm]
Depth	2" [51mm]
Dual Voltage	12/24 Volts DC
Current: @ 12VDC	370mA
@ 24VDC	270mA



RECOMMENDED TOOLS

Hammer
Center Punch
Power Drill
Drill bits: 9/64", 3/16", 7/32", 3/8", and 1/2" (iEXDa) or 1" (iMXDa) diameters
Wrenches: 7/16" open end (or adjustable), 1/2" box/open end (or adjustable), 1-1/4" open end (or 12" adjustable), 3/16" Hex Key (Allen) and provided 3/32" Hex Key

Pliers, vise grip
Screwdrivers: #1, #2 and #3 Phillips and 1/8" Flat Blade
Masking tape
Fish Tape or Lead Wire
Wire Strippers/Cutter
Multimeter

INSTALLATION

Mounting Configuration

Figure 1 illustrates a common installation on out-swing doors. The lock housing mounts to the header near the corner opposite the door hinge side. The unit may be mounted horizontally or vertically. Please use the included product mounting template and the following step-by-step instructions to successfully install the lock housing and strike.

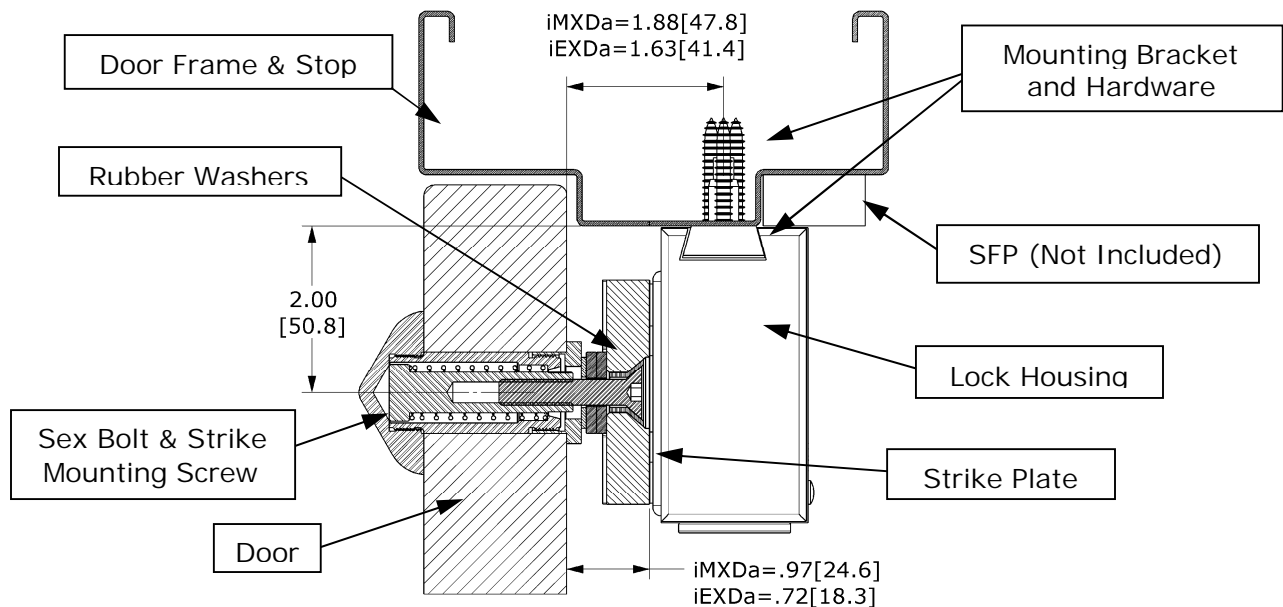


Figure 1
Typical Section of Installation (iMXDa shown)

To properly install the iMXDa/iEXDa unit, the following conditions should be verified:

- The entire mounting area for the lock bracket and housing must be a flat surface.
- The installed strike must allow the door to close properly.
- The lock (E-laminate) face and strike plate must be aligned so that they are centered.

STRIKE/LOCK ALIGNMENT IS IMPORTANT FOR LOCK SYSTEM STATUS SENSING FUNCTIONS

STEP 1 - MOUNTING THE STRIKE PLATE

The strike plate should be mounted prior to the lock housing. Figure 2 below illustrates typical strike mounting for the iMXDa. (For the iEXDa the SB-MXD Sex Bolt, cap, and steel washer shown here are replaced with a standard sex bolt).

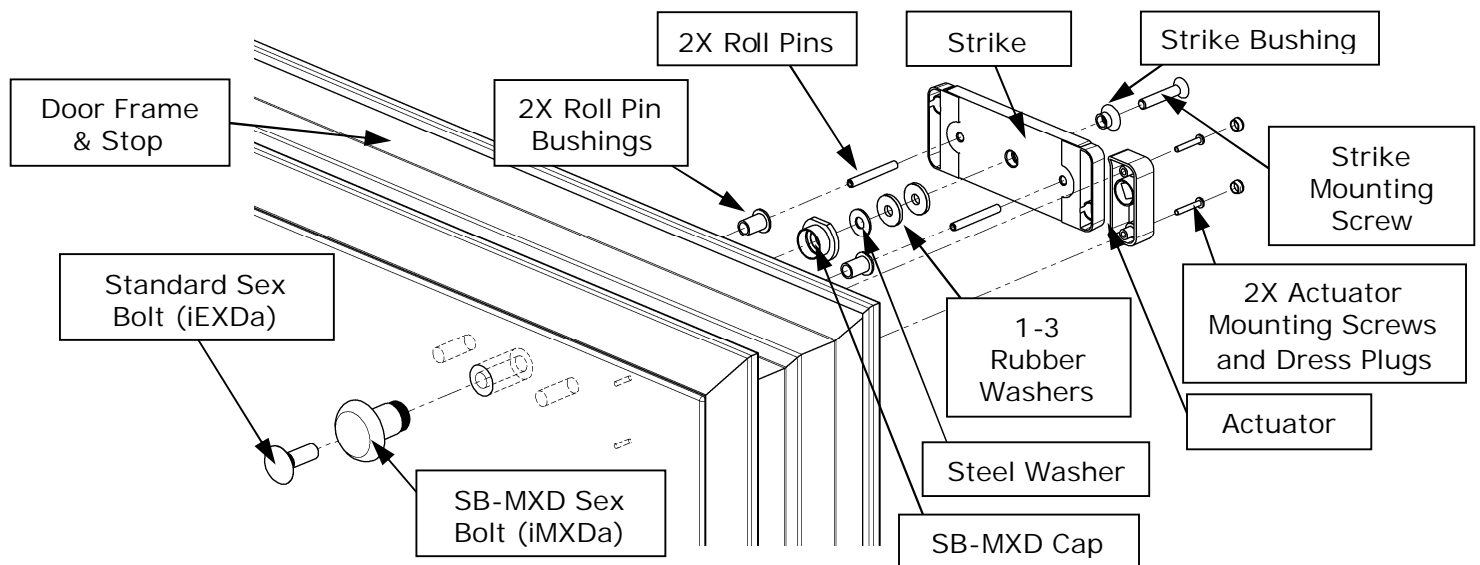


Figure 2

Step-by-step Mounting of the Strike and Actuator:

1. Fully close the door.
2. Carefully fold the template and place into desired position.
3. ON THE DOOR: Center punch the strike and actuator mounting holes marked [A] on the template.
4. ON THE FRAME: Center punch the slotted lock mounting bracket holes marked [A] on the template.
5. Drill the three (3) holes required for the strike in the door as noted on the template.
6. Using a hammer, install the two (2) provided roll pins into the back of the strike plate.
7. Insert the two (2) provided roll pin bushings into the holes drilled in the door.
8. Use steps 9 thru 17 for installation of the iMXDa or steps 18 thru 23 for the iEXDa strike plate.

(iMXDa):

9. Mark and drill the two (2) 3/16" [4.8mm] diameter holes for the pins of the SB-MXD ON THE OUTSIDE OF THE DOOR – these holes are designated [C] on the template. NOTE: The SB-MXD may be used to mark the two (2) pin holes by inserting the sex bolt into the hole from the outside of the door and lightly tapping the head with a hammer so that the pins mark the door where the pins are located. (Cover the head with a piece of cardboard to protect from marring if necessary).
10. Install the sex bolt through the hole in the door from the outside, engaging the pins into the holes.
11. Thread the cap onto the end of the sex bolt inside of the door. Using a wrench, tighten the assembly.
12. In the following order, assemble the strike mounting screw, strike bushing, strike plate, 1 to 3 rubber washer(s), and the steel washer. Use of two (2) rubber washers is recommended.
13. Apply thread locking compound to the strike screw threads.
14. Thread the strike mounting screw into the sex bolt just a few threads, while aligning the two roll pins into the roll pin bushings.
15. Pull on the assembly (strike) to expose the end of the spring loaded plunger.
16. With the plunger being held extracted, use a wrench (or vise grip pliers) on the plunger end and a 3/16" hex key wrench in the socket head of the screw to tighten the assembly.
17. Release the assembly.

(iEXDa):

18. Install the sex bolt through the hole in the door from the outside.
19. In the following order, assemble the strike mounting screw, strike bushing, strike plate and rubber washer(s) together.
20. Apply thread locking compound to the strike mounting screw threads.
21. While holding the assembly together, thread the strike mounting screw into the sex bolt just a few threads, while aligning the two roll pins into the roll pin bushings.

22. Pull on the assembly (strike) to align and engage the knurled portion of the sex bolt into the hole.

23. While keeping the assembly aligned, use a hammer to tap the head of the sex bolt into place and use a 3/16" hex key wrench in the socket head of the screw to tighten the assembly.

DO NOT OVERTIGHTEN THE STRIKE/SEX BOLT ASSEMBLY AS THIS CAN CAUSE DAMAGE TO THE RUBBER WASHERS AND MAY PREVENT THE PROPER OPERATION

Actuator Mounting:

24. Drill the two (2) previously marked actuator mounting holes as instructed on the template.

25. Using a #2 Phillips screwdriver and the screws provided install the actuator to the door as shown.

STEP 2 - MOUNTING THE LOCK HOUSING

Figures 3 and 4 below illustrate a typical lock housing installation on a steel door frame.

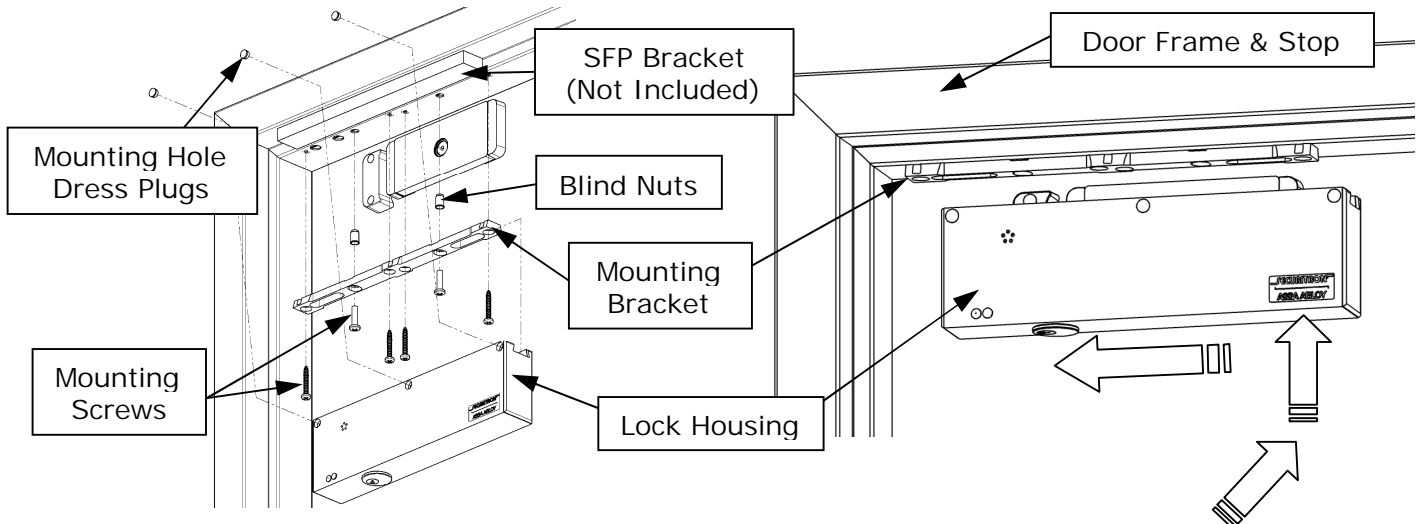


Figure 3

Figure 4

Step-by-step Mounting of the Lock Housing:

1. FOR METAL DOOR FRAME: Drill two (2) 3/8" [9.5mm] diameter holes and one 1/2" [12.7mm] diameter hole at the three previously marked [A] hole positions on the frame. Install two (2) 1/4-20 blind nuts into the 3/8" diameter holes. See the Installation and Operating Manual for details of how to install the blind nuts.
 - a. Using a #3 Phillips screwdriver and the two (2) 1/4-20 UNC X 1" long machine screws, attach the lock mounting bracket to the frame.
2. FOR WOOD DOOR FRAME: Drill two (2) 3/16" [4.8mm] diameter holes X 1-1/4" [32mm] deep (minimum) and one 1/2" [12.7mm] diameter hole through the frame at the previously marked [A] hole positions.
 - a. Using a #3 Phillips screwdriver and two (2) #12 X 1-1/2" long Type "A" screws, attach the lock mounting bracket to the frame.
3. Loosen the two (2) mounting screws enough to allow movement of the bracket.
4. Assemble the lock onto the bracket by shifting the unit to one side (approximately 1-1/2" inches), engaging the top of the housing onto the bracket and then sliding it back toward center as shown in Figure 4. Ensure that the lock is centered on the bracket.
5. Adjust the lock (and bracket) into position making contact with the face of the strike.
6. Mark the door frame at each end of the assembly to indicate the position of the mounting bracket and then carefully remove the lock from the bracket.
7. As necessary, re-align the bracket to the position marks, then using a screwdriver fully tighten the two bracket mounting screws.
8. Using the mounted bracket as a guide, center punch the frame at the four (4) remaining mounting holes marked [B] on the template.
9. FOR METAL DOOR FRAME: Drill four (4) 3/16" [4.8mm] diameter holes through the frame.
 - a. Using a #3 Phillips screwdriver and four (4) #12 X 1-1/2" long Type "A" screws fully secure the bracket to the frame.
10. FOR WOOD DOOR FRAME: Drill four (4) 7/32" [5.5mm] diameter holes X 2-3/4" [70mm] deep (minimum) into the frame.
 - a. Using a #3 Phillips screwdriver and four (4) #14 X 3" long Type "A" screws fully secure the bracket to the frame.

11. Assemble the lock back onto the mounting bracket, then using a 3/32" hex wrench tighten the three (3) set screws along the upper/back side of the unit to secure.
12. Check lock mount assembly for adequate tightness and secure installation.
13. Make wire connections, apply power and test for proper operation. Refer to Sections 6.7 and 6.8 of the Installation and Operating Manual.
14. After completing wiring and testing, ensure that the three (3) set screws in the top/rear of the lock housing are tight and the lock is secure, and then insert the provided dress plugs into the lock set screw and the actuator mounting holes.

STEP 3 - CONTROL WIRING

Figure 5 is a general wiring diagram that shows the terminal block layout and some typical control wiring for an iMXDa/iEXDa. It is suggested that an adequate wire service loop be provided to allow easy connect/disconnect of the plug-in terminal block connector.

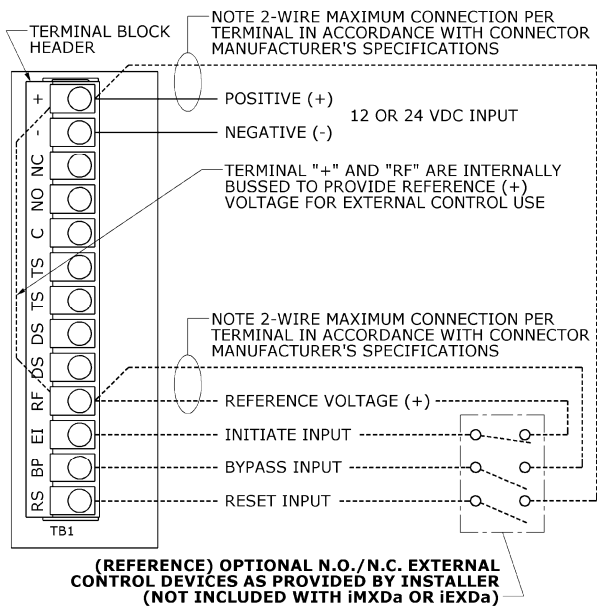


Figure 5
Control Wiring

External Controls:

Each unit includes terminals which provide the connections necessary for remote control of specific functions such as reset, bypass and external initiate. These are addressed in Section 6 of the Installation and Operating Manual.

Notes:

- 1) To operate the external initiate (iEXDa) the jumper JP3 must be placed over pins 1 and 2.
- 2) The "RF" terminal is a common reference (+) voltage supply point that may be used for the above described external controls.

Tamper Status (TS) and Door Status (DS):

The door and tamper status switches provide dry contact output at the terminal block header. Output is field selectable via jumpers (JP1 and JP2). The factory jumper settings are set for normally closed operation.

NOTE: For more information regarding electrical wiring and operation of the unit please refer to the Installation and Operating Instruction Manual.

FUNCTION SETTINGS

A wide variety of functions are set/controlled by the internal PC board mounted DIP switch. For full details regarding DIP switch function settings please see the Installation and Operating Instruction Manual.