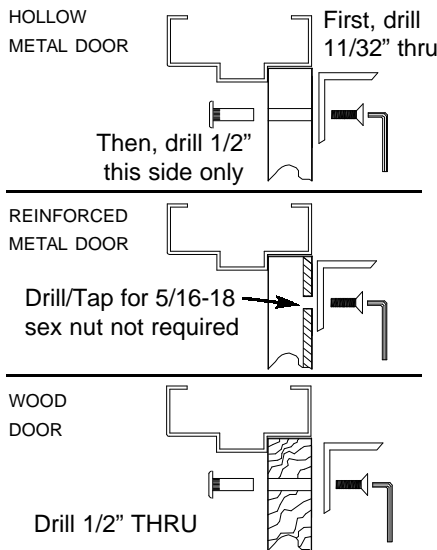


Pre Installation Considerations:

It is important that the door and frame be structurally sound for safety and security reasons. Compare the template information to the installation site to make sure that there is enough space to mount the magnet without interfering with any existing hardware. The TJ type of magnetic lock is intended for use on inswinging doors. It is not intended to be installed on the exterior of buildings.

SEX NUT PREP FOR TJ BRACKETS



IMPORTANT! Armature plate(s) must be installed with the correct hardware in the correct order and orientation for proper operation. DO NOT REMOVE FOAM RUBBER COMPRESSION PADS FROM LEXAN ARMATURE HOUSINGS.

1. Prep door and frame according to the template provided for the correct model you are installing.

2. Mount Lower TJ brackets using sheet metal screws and sex nuts as shown. Slide the TJ dress plates into the lower TJ brackets as shown. Center and secure position using the allen set screws.

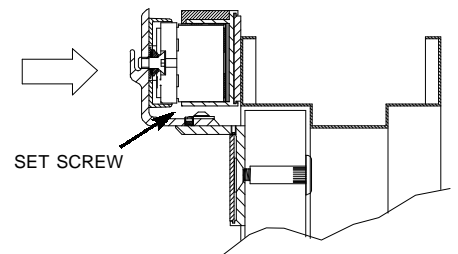
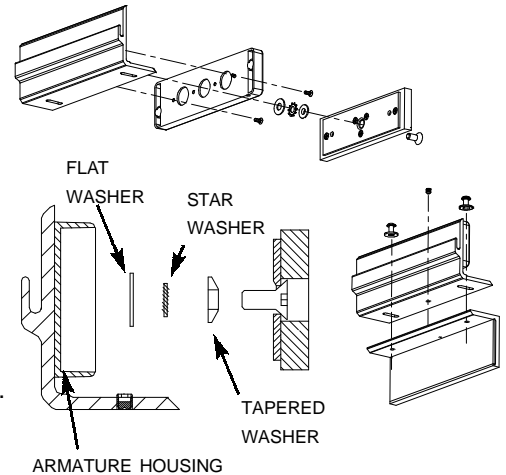
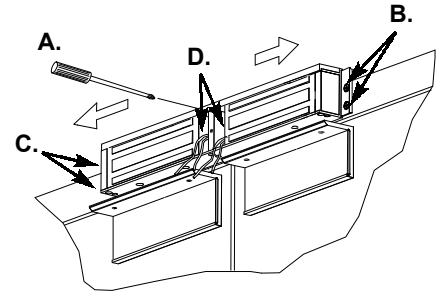
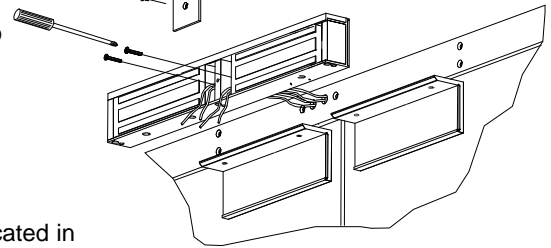
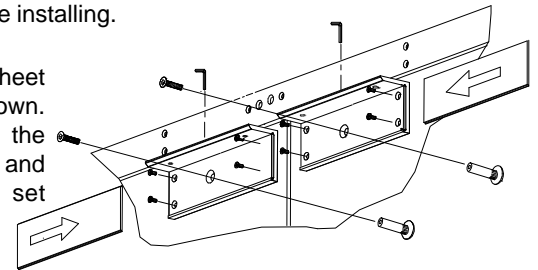
3. Remove wire access cover from magnet. Pull control wiring through wire access holes. Install magnet to frame with two sheet metal or machine screws through exposed holes inside wire access cavities. Do not completely tighten them at this point.

4. **A.** Loosen phillips set screw located in the right wire access cavity. **B.** Slide magnet to left just enough to expose mounting screw holes on right. Secure magnet with two mounting screws. **C.** Slide just enough to expose two holes on left. Secure magnet with two screws on left. **D.** Center magnet and tighten two center mounting screws and set screw. **IMPORTANT!** Do not slide the magnet too far or wiring could be severed or damaged.

5. Install the armatures and armature housings onto the upper TJ brackets using the hardware provided as shown. **IMPORTANT! Hardware must be assembled in the correct order, as shown, for proper operation. Do not remove foam rubber compression pads from lexan armature housings.**

6. Open doors and install the upper TJ brackets to the lower TJ brackets using two machine screws and washers each. Leave the screws just loose enough to slide upper TJ bracket toward or away from the door.

7. Close and latch door. Push each upper TJ armature/bracket assembly toward magnet until it is mated against it, with no air gap. Open door slowly and tighten machine screws and set screws to lock TJ bracket assemblies into position.



ELECTRICAL SPECIFICATIONS: Note: Specifications refer to magnet type and are per coil. Double units will require twice the current. Holding force on spit armature models is less than one half of the force of a single unit.

Model:	Amps(12VDC)	Amps(24VDC)	Holding Force(lbs)
320+	0.750	0.380	700
350+	0.750	0.380	1200
390+	0.600	0.300	1650

PHYSICAL DIMENSIONS (LOCK BODY ONLY):

SINGLE UNITS:				DOUBLE UNITS:		
Model:	HEIGHT:	WIDTH:	DEPTH:	HEIGHT:	WIDTH:	DEPTH:
320+	2 1/8"	8 9/16"	1 11/16"	2 1/8"	16 3/4"	1 11/16"
350+	2 1/8"	12 1/2"	1 11/16"	2 1/8"	25"	1 11/16"
390+	2 3/4"	10 1/2"	1 11/16"	2 3/4"	20 5/8"	1 11/16"

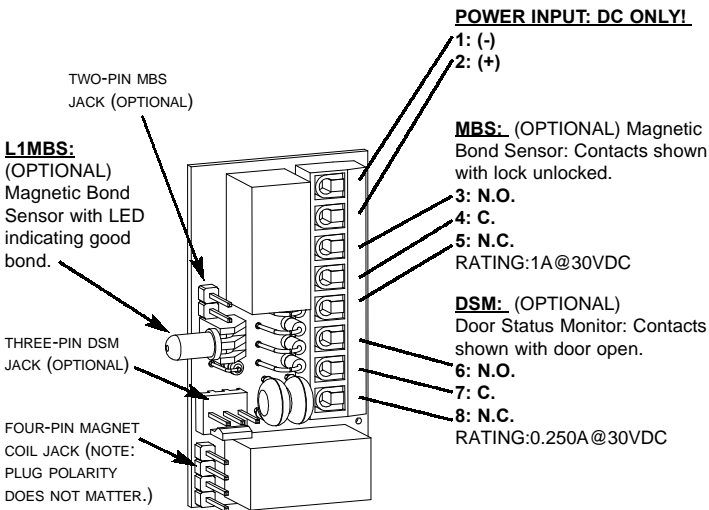
"+" MODELS WITH AVS CIRCUIT BOARD:

There are three PC board Options:

AVS: Automatic Voltage Selection.

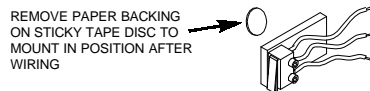
AVSxDSMxMBS: Automatic Voltage Selection, Door Status and Magnetic Bond Sensor

AVSxMBSxDSM: Automatic Voltage Selection, Door Status and Magnetic Bond Sensor W/ L1 OPTION (LED TURNS GREEN WHEN GOOD BOND EXISTS)

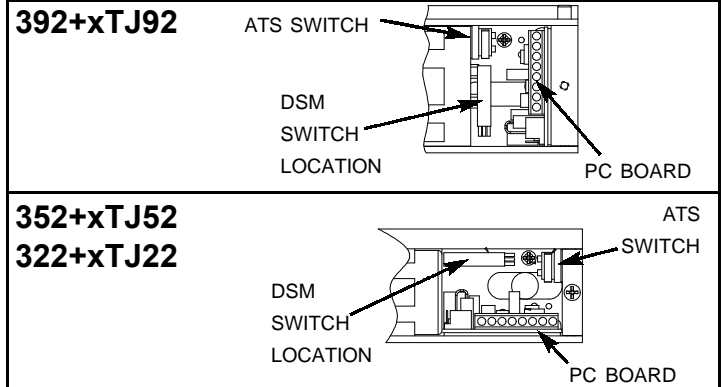


ATS: (OPTIONAL) Anti Tamper Switch: Contacts shown with cover removed.

BLUE: N.C.
TAN: C.
GREEN: N.O.
RATING: 1A@30VDC



WIRING CAVITY COMPONENT LOCATION:



MODELS WITHOUT CIRCUIT BOARD:

MBS:
(Magnetic Bond Sensor - indicates lock status, shown unlocked: changes state when a good magnetic bond is indicated)
WHITE: C.
WHITE: N.O.
(RATING: 0.250A@30VDC)

DSM:
(Door Status Monitor: changes state when door is closed)
RED: N.C.
BLACK: C.
WHITE: N.O.
(RATING: 0.250A@30VDC)

