



# CX-90S-03 **Door Magnetic Locks** Installation Instructions

## 1. Specifications

	CX-90S-03
Holding Force	Up to 300 Lbs. (136 kg)
Voltage Input	12VDC / 24VDC **
Current Draw	300mA / 150mA
Dimensions (Body)	6 11/16″W x 1 3/8″H x 13/16″D (165 x 35 x 22 mm)

\*\* 12VDC / 24VDC is pre-set on manufacturer; once it set, it cannot be changed.

#### 2. Basic Installation Concept & Accessories (Figure 1)



## 3. General Installation Steps & Maintainance

- 1. Drill the armature plate holes in the door using the template provided.
- 2. Attach the armature plate to the door with the hardware provided as per Figure 2.3
- 3. With the door closed, mark the door frame at the edge of the armature in order to properly align the electromagnet to the armature.
- 4. Attach the mounting plate to the door frame using the self-tapping screws provided.

Align the mounting plate with the mark from Step 3.

- 5. Insert the wires through the hole in the mounting plate and into the electromagnet unit. Attach the electromagnet unit to the mounting plate with the Allen head fixing screw.
- 6. Screw in the anti-tamper nuts to prevent unauthorized access and make sure to fully tighten the fixing screw with proper tool. A "T" Handle Allen Key.
- 7. Connect the power wires in accordance with NFPA 101. All wiring to be completed inside protected area.

Notes

It is recommended to apply a light coat of silicon lubricant to the mating surface on a monthly basis to prevent rust.

## 4. Trouble Shooting

#### 1. Sensor not functioning:

- Improper attachment of electromagnet and armature plate
- Modification of the PCB
- 2. Door not locked:
  - Incorrect wiring or no power from power supply
- 3. Reduced holding force:
  - Poor contact of electromagnet and armature.
  - Be sure armature is loose enough that it can fully contact electromagnet along the entire length
  - Mating surface is dusty or damaged.
  - Improper input voltage or wire size.

Performance Level

- Destructive Attack: Level I
- Line Security: Level I
- Standby Power: Level I
- Endurance: Level IV



#### Wiring Instruction

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