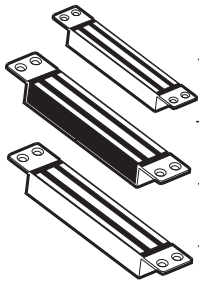


Electromagnetic Lock Installation Instruction (Mortise Series)

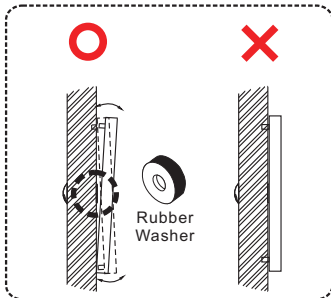
Specifications



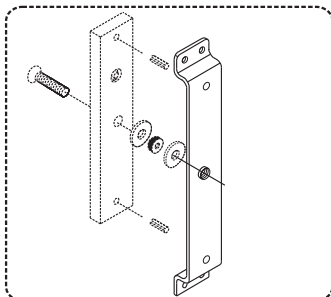
Model	Holding Force	Current Draw	Optional Bracket	Bond Sensor Output
10003M	300 lbs(136 Kg)	300mA/12VDC 250mA/24VDC		
10000	600 lbs(272 Kg)	500mA/12VDC 250mA/24VDC	AMB-300	10000R
10000ST	600 lbs(272 Kg)	500mA/12VDC 250mA/24VDC	AMB-300	10000STR

Installation Diagram

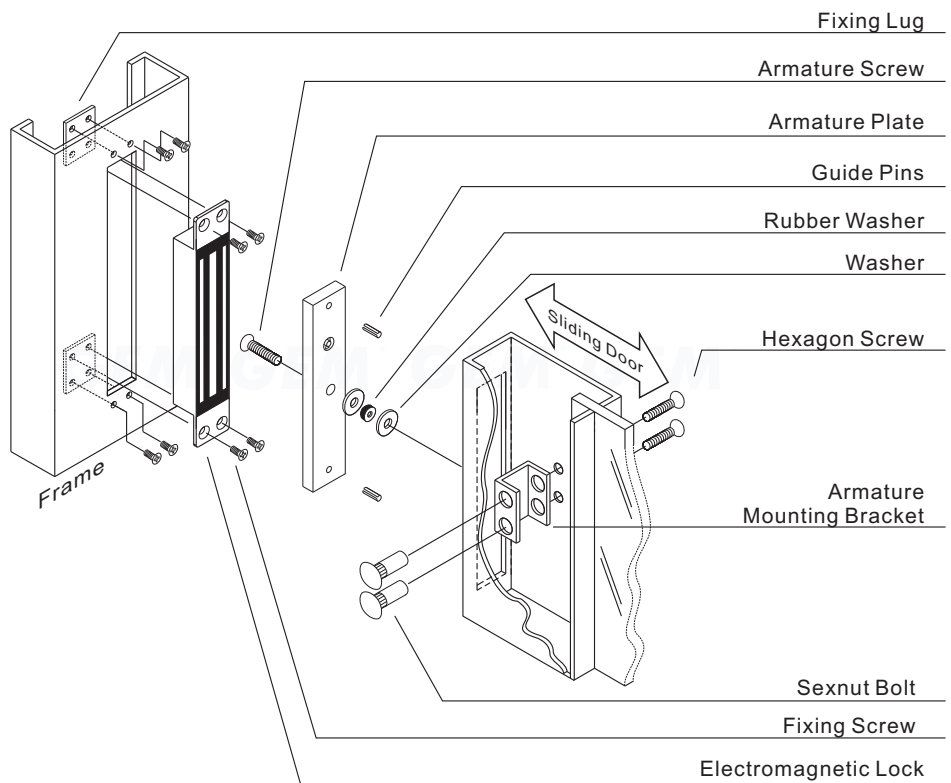
The actual accessory packs vary by different models.



The rubber washer makes the armature plate adjustable in order to reach proper combination with the magnetic lock.

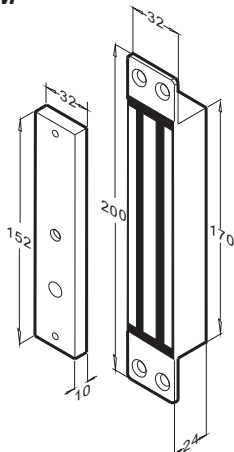


AMB-300 Armature Bracket
(optional for model: 10000, 10000ST)

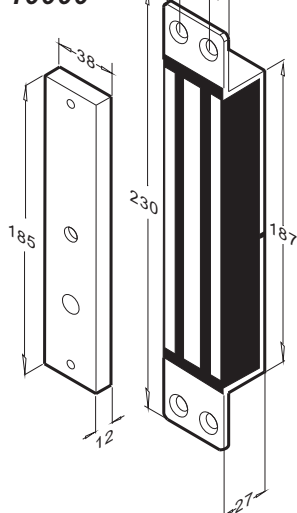


Dimensions

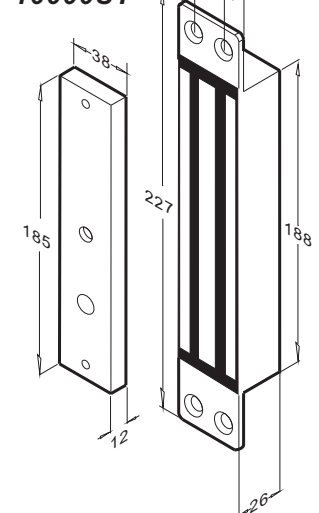
10003M



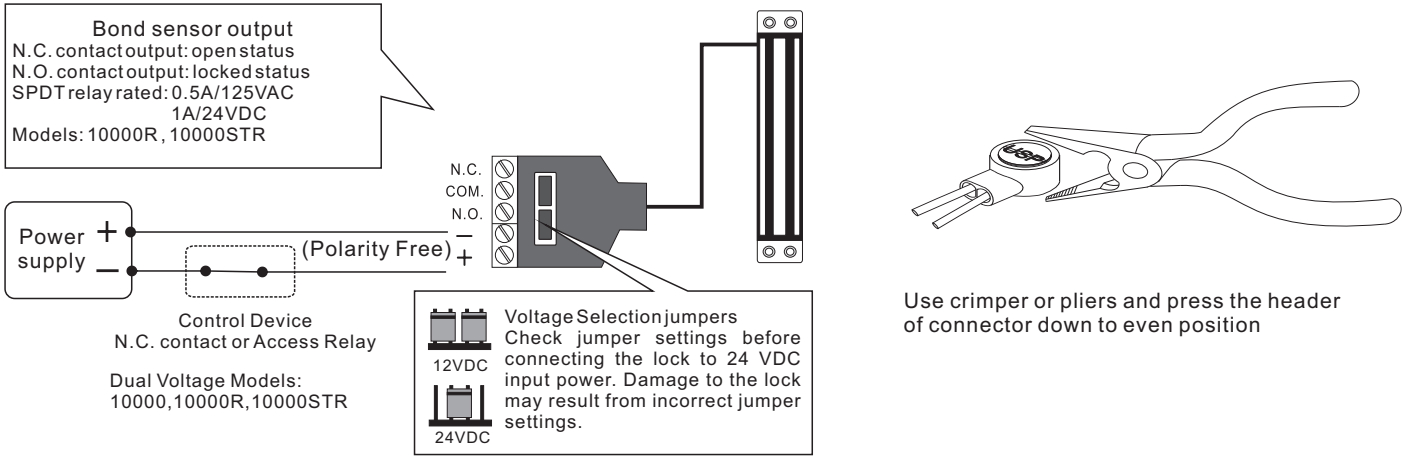
10000



10000ST



Unit: mm



Important Note

The electromagnetic lock requires a face-to-face alignment as shown in the Figure. Otherwise, the holding force will be decreased to 25%.

Make sure the contact area of the electromagnetic lock and the armature plate is correct or the bond sensor output function will not work.

Do not run power wires and signal wires in the same cable or conduit.

Make sure the contact surfaces of the electromagnet and armature plate are clean and free from dust and foreign materials.

Remove any diode installed across the magnetic lock for spike suppression. The magnet is built-in with a metal oxide varistor to prevent back EMF.

Wipe the surface of magnet lock with anti-rust oil regularly.

The electromagnetic locks are fail safe. Therefore it needs the power from UPS to remain locked during the power failure.

Trouble Shooting

Problem	Possible Cause	Solution
Door does not lock	No power	Make sure the wires are connected properly
		Check that the power supply is connected and works properly
		Make sure the lock switch is wired correctly
Low holding force	Poor contact between electromagnet and armature plate	Make sure the armature plate is not deformed
		Make sure the rubber washer was used between the bracket and armature plate
	Low voltage or incorrect voltage setting	Make sure the contact surfaces of the electromagnet and armature plate are clean and free from dust and foreign material.
		Check the electromagnetic lock is set for the correct voltage.
Sensor output is not functioning	A secondary diode was installed across the electromagnetic lock	Remove any diode installed across the magnet for "spike" suppression. (The magnet is fitted with a metal oxide varistor to prevent back EMF)
	Misalignment between the armature plate and electromagnetic lock	Make sure the armature plate and electromagnetic lock are aligned correctly