



EM4700 Series

Weather Resistant Electromagnetic Lock



v.1.4
2019-07-25

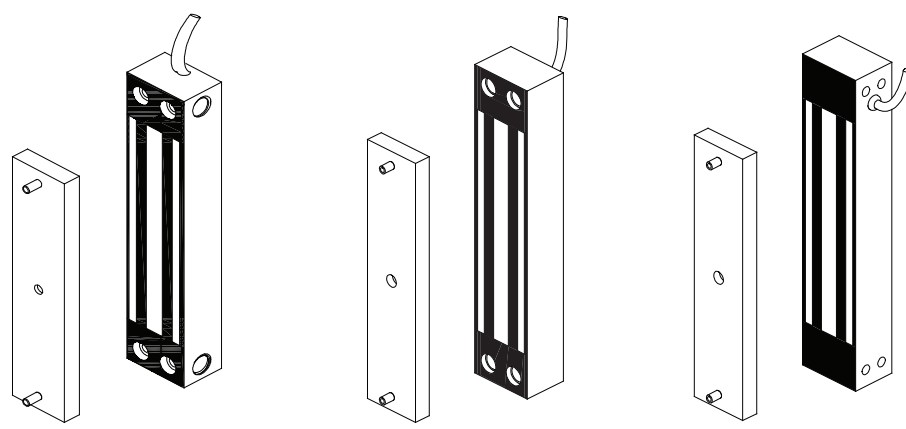





Introduction

EM4700 series is a weather resistant magnetic lock; it is designed to suit outdoor hinged, and sliding door applications. EM4700FS series is a Fail-Safe lock with holding force up to 410kgs, and dual operating voltage of 12/24VDC. The lock model is provided with a dual fixing arrangement and come with a 3 years warranty.

Specification

SPECIFICATION	EM4700FS/EM4700FS LSS/EM4700F LSS/EM4700S LSS
Illustration	 <p>EM4700FS/EM4700FS LSS EM4700F EM4700S</p>
Certifications	
Fail Safe	Power to lock
Lock Body Dimension	220L x 47W x 30.5H (mm)
Armature Plate Dimension	185L x 42W x 12H (mm)
Lock Operating Voltage	12/24VDC ±10%
Lock Operating Current	400mA/12VDC; 200mA/24VDC
Lock Holding Force	Up to 410kgs
Output Signals	EM4700FS: w/o Monitoring EM4700FS LSS/ EM4700F LSS/ EM4700S LSS: w/ LSS
Operating Temp	-10°C ~60°C
Weight	2.4kgs
Operating Humidity	0~80% (non-condensing)
Surface Finish	Stainless Steel finish and fully weather proof
Residual Magnetism	No residual magnetism. No Spring Rebound Mechanism on the armature plate is required to overcome the residual magnetism
Standard Packing	10pcs/carton





Wiring and Voltage Setting

TERMINAL	DESCRIPTIONS
Wiring	EM4700FS: 12/24VDC Power Input, 4 wires EM4700FS LSS/ EM4700F LSS/ EM4700S LSS: 12/24VDC Power Input, 7 wires

Refer to the figure below for wiring installation of EM4700 Series:

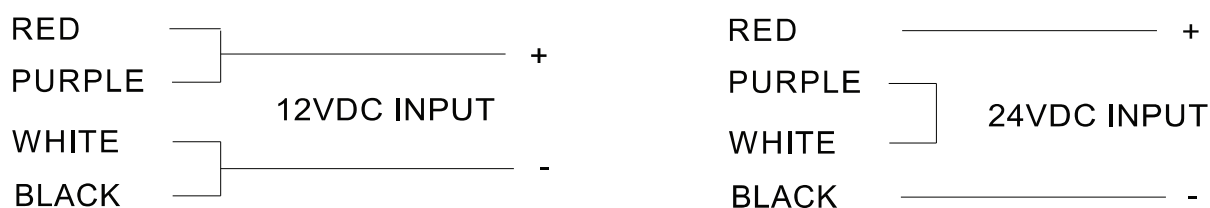
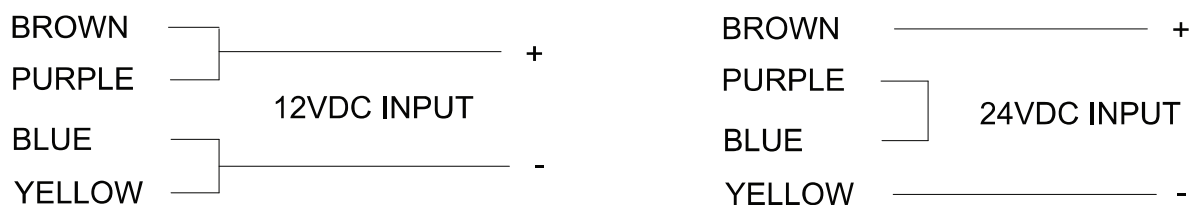


Illustration of wiring for EM4700FS



RELAY SENSOR:

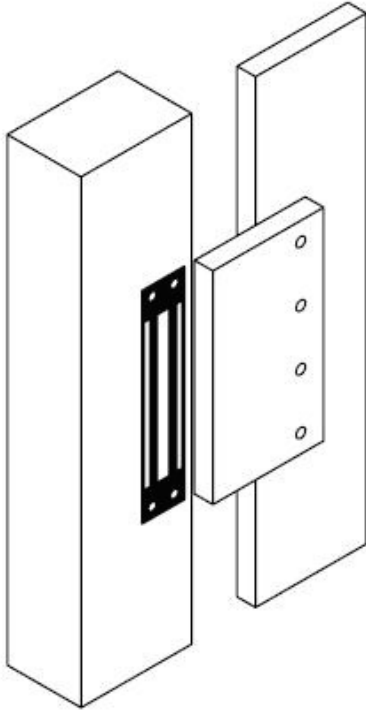
- Red — NC
- Green wire — NO
- Black wire — COM

Illustration of wiring for EM4700FS LSS/ EM4700F LSS/ EM4700S LSS

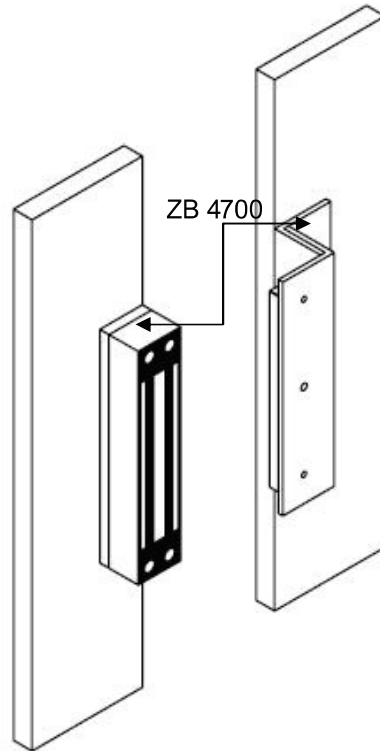




Swing Door Application

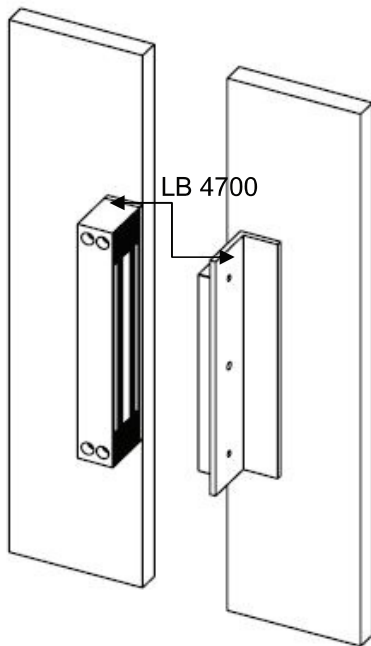


EM4700FS/ EM4700FS LSS/ Mortise Mount



EM4700F LSS/ Front Mount

Sliding Door Application



EM4700S LSS/ Side Mount





Weather Resistant EM4700 Series Models and Accessories

WEATHER RESISTANT SERIES	MODEL NUMBER	DESCRIPTION
Models	EM4700FS	Weather Resistant EM Lock w/o monitoring,
	EM4700FS LSS	Weather Resistant EM Lock w/ monitoring
	EM4700F LSS	Weather Resistant EM Lock w/ monitoring, Front mounting
	EM4700S LSS	Weather Resistant EM Lock w/ monitoring, Side mounting
Brackets	ZB 4700	Z bracket and mounting plate for Swing Door application
	LB 4700	L bracket and mounting plate for Sliding Door application

