



# EM 5000G

## Outdoor Use Gate Lock



v.1.5

2019-07-29





## Introduction

EM5000G series is a weather resistant electromagnetic lock with built-in varistor (MOV) surge protection; it is designed for external gates and sliding door applications. EM5000G series is a Fail-Safe lock with holding force up to 680Kgs. Lock Status Sensor (LSS) and operates on 12/24VDC voltage. The lock model is provided with dual fixing arrangement on the front or the side and comes with a 3 year warranty.

## Specification

SPECIFICATION	EM5000G
Illustration	 <p>Illustration of EM5000G</p>
Certifications	    <p>IP67 Certified: IEC 60529 : 2001 BS EN1634-1:2014 Fire rated 4 hours EN1634-1:2014 Fire rated 4 hours BS476-22:1987 Fire rated 4 hours</p>
Fail Safe	Power to lock
Lock Body Dimension	225L x 63W x 44H (mm)
Armature Plate Dimension	190L x 61W x 16H (mm)
Lock Operating Voltage	12/24VDC ±10%
Lock Operating Current	480mA/12VDC; 240mA/24VDC
Lock Holding Force	Up to 680kgs
Output Signals	Lock Status Sensor (LSS); NC/NO/C, Max. 24V, 0.2A
Operating Temp	-10°C ~ 60°C
Weight	5.0kgs
Operating Humidity	0 ~ 80% (non-condensing)
Surface Finish	Stainless Steel case, fully weather proof; 1st grade surface plating to prevent corrosion
Residual Magnetism	No residual magnetism. No Spring rebound mechanism on the armature plate is required to overcome the residual magnetism
Standard Packing	4pcs/carton



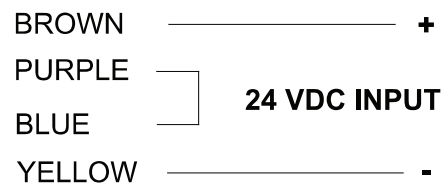
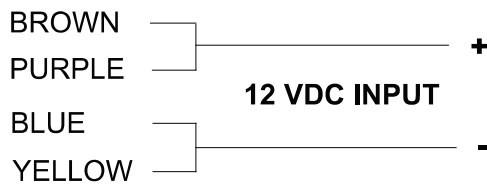


## Wiring and Voltage Setting

TERMINAL	DESCRIPTIONS
Wiring	12/24VDC Power Input, 4 wires, BROWN/PURPLE/BLUE/YELLOW LSS Output, 3 wires, NC/NO/C, BLACK/RED/GREEN

Refer to the figure below for the wiring configuration of EM5000G:

### POWER INPUT



**REED SWITCH**  
**CONTACT RATING:**  
**30VDC,0.2 AMP MAX.**

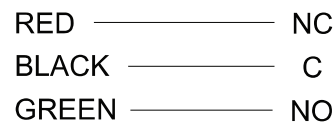


Illustration of wiring for EM5000G

EM5000G has a built-in REED Switch which will indicate lock status for remote status monitoring.

## Weather Resistant Series Models and Accessories

WEATHER RESISTANT SERIES	MODEL NUMBER	DESCRIPTION
Models	EM5000G	Weather Resistant EM Lock with LSS, Holding Force of 680Kgs
	ZB5000G	For Swing Door Application

