

### Unique Anti-Residual design

When there is no power, there will be no holding force, and the push-off button will pop out immediately, to release the Electromagnetic Lock and the Armature Plate for no residual magnetism.



Waterproof Test:  
Reference to IEC 60529 Edition 2.1: 2001-02-IPX7

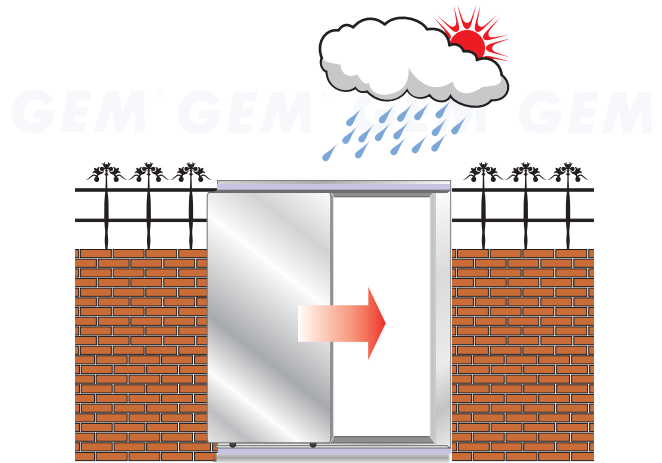
## Specifications

- Voltage Tolerance:  $\pm 15\%$
- Current Draw: 460mA @ 12Vdc (at temperature 20°C)  
(Further notice for diverse input voltage on special order requirement)
- Magnetic bond sensor monitor output (GL-1200R)  
(SPDT rated 0.25A @ 12V DC), remotely monitors the door lock or unlock status. (N.C. Output--Door opened; N.O. Output--Door closed)
- Operating Temperature: -10~55°C (14~131°F)
- Humidity: 0~95% non-condensing.
- Lock's surface Temperature (when the power is on):  
<current temperature +20°C
- Holding Force: Up to 1200 lbs (545 Kg)
- Dimensions:  
Magnet:(L) 202, (W) 62, (D) 40 mm  
Armature Plate:(L) 185, (W) 62, (D) 16 mm
- Special Finishes for magnet and armature plate: Zinc
- Epoxy Potting Compound: E87252 (S), UL94V-0
- Weight (Approx.): 4.8 Kg

## Statement

The Electromagnetic Locks are totally sealed in an epoxy filled stainless steel case for water-resistant and vandal-resistant purpose. A threaded conduit fitting ensures weather resistant protection of the wiring therefore it is ideal for indoor and outdoor applications, even in severe weather.

Wel offers up to 1200 pounds holding force with 12V DC power input (24V DC or 12/24V DC dual input voltage available by special order), it is the best choice for electronic security industry and system integrators.



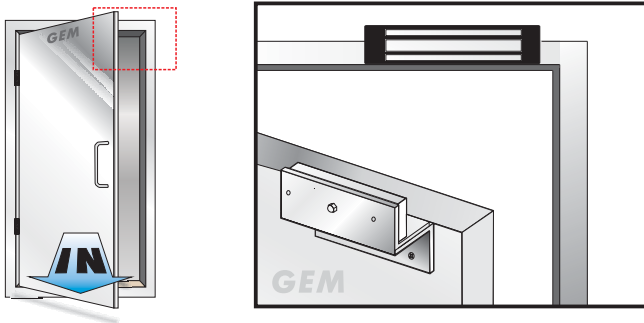
This series of Waterproof Magnetic Lock is made with epoxy potting compound and is protected by this compound. Also, GEM Waterproof Series Magnetic Locks have been proved to have withstood a water resistance as established in accordance with the test procedures of IPX7, IPX8 through a trusted third party. Therefore users need not worry that the lock will be rusted or sparked, if the lock is using in outdoor applications and installing in confined space where any inflammable gas.

## Warranty

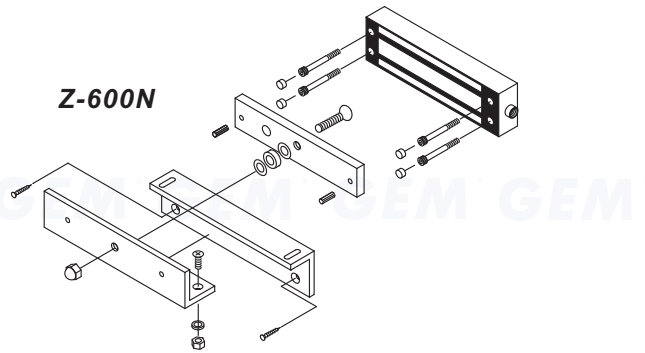
The product is warranted against defects in material and workmanship while used in normal service for a period of 5 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

● **Optional Brackets**

With Z-bracket for in-swinging doors



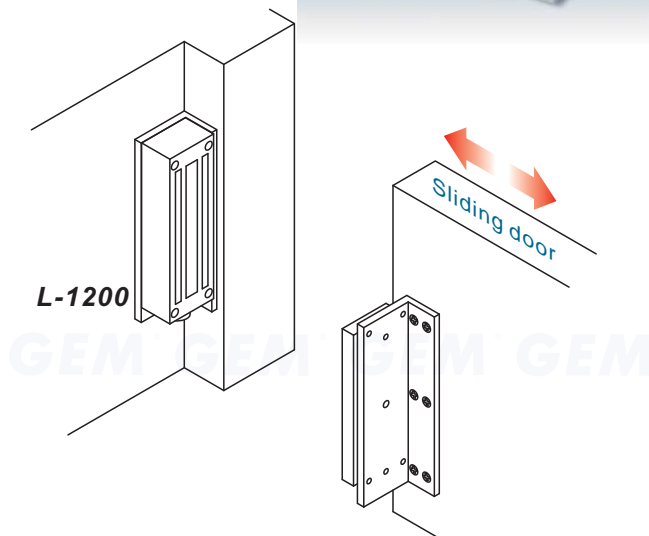
**Z-600N**

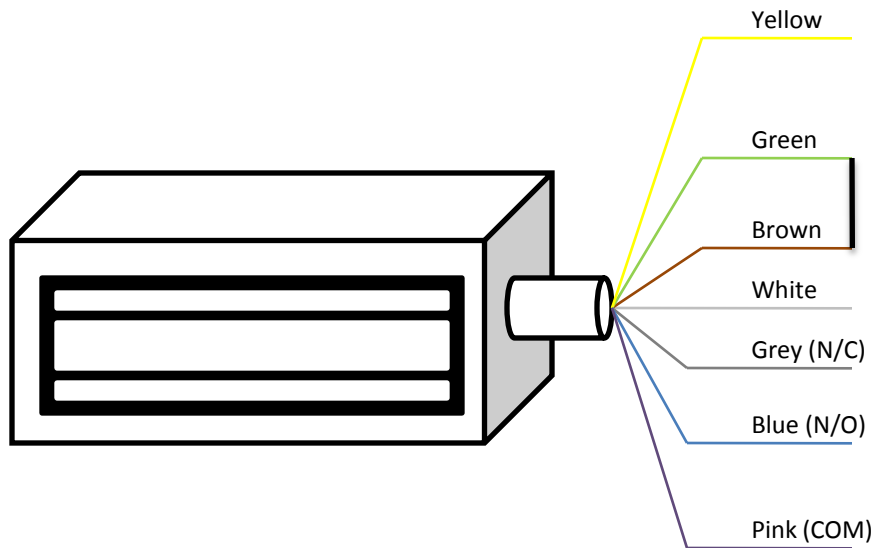


With L-bracket for sliding door



**L-1200**

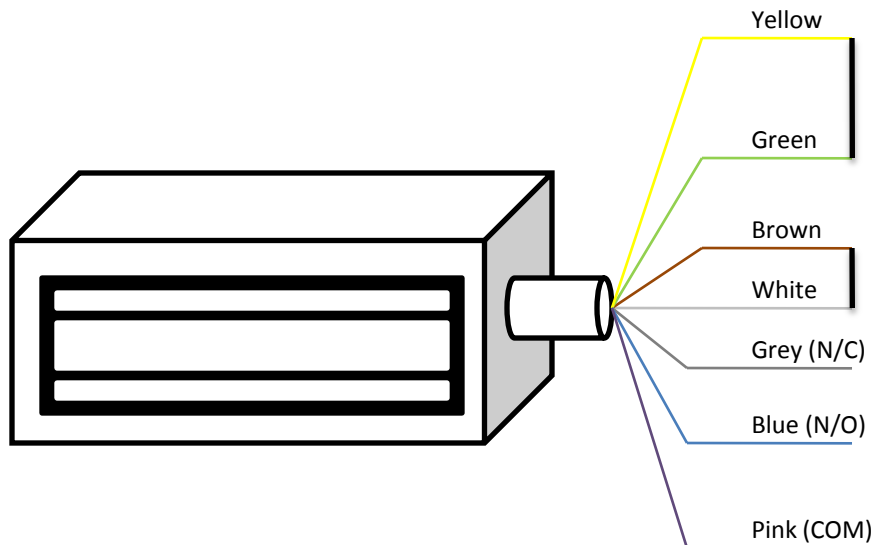




## 24V WIRING

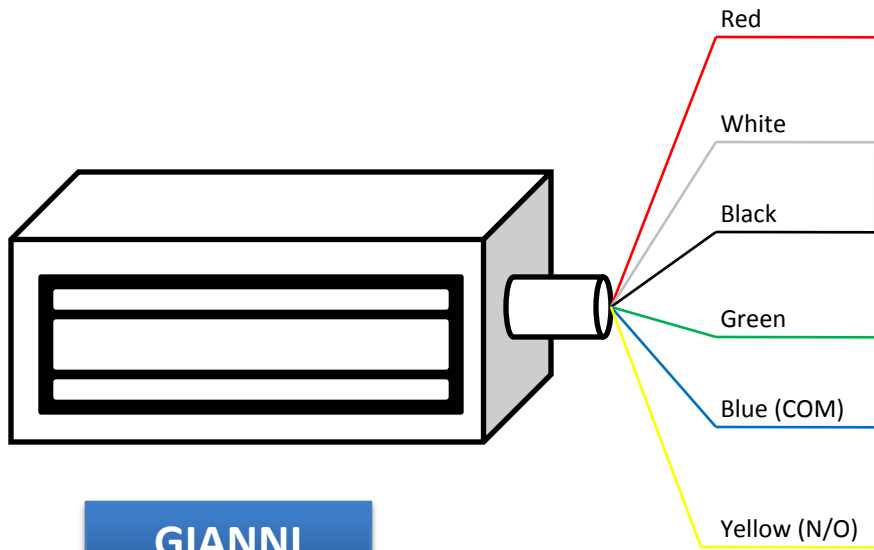
Join the green and brown wires together. Use yellow for positive and white for negative.

## GL1200NTBR WIRING OPTIONS



## 12V WIRING

Join the yellow and green wires together, to make positive. Join brown and white together to make negative.

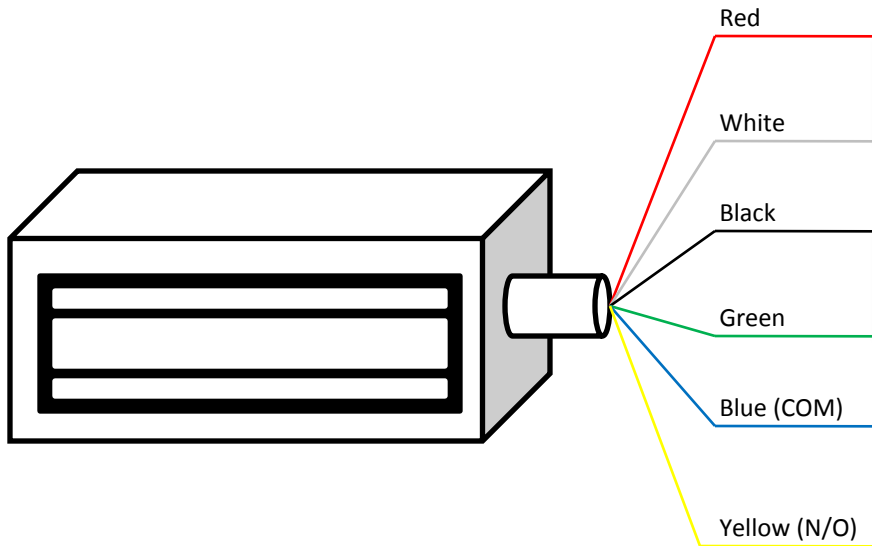


**GIANNI**

**GL1200TBR**

**WIRING OPTIONS**

**24V WIRING**  
Join the black and white wires together.  
Use red for positive and green for negative.



**12V WIRING**  
Join the red and white wires together, to make positive.  
Join black and green together to make negative.