CYGNUS electronics

DATASHEET

EL-180

CYGNUS electronics

Electromagnetic Lock

User Manual

EL-180

CE FC RoHS

Read the manual before usage and keep for future reference.

1. Specification

Model	Size(unit:mm)	Voltage	Current	Hoding Force	Lock Signal	Door Signal	Door
EL-180A	170L*42W*21H	12/24VDC	12V/300mA 24V/150mA	180kg(350Lbs)	No	No	Single Door
EL-180B	340L*42W*21H	12/24VDC	12V/300mA*2 24V/150mA*2	180kg*2(350Lbs*2)	No	No	Double Door
EL-180AS	170L*42W*21H	12/24VDC	12V/300mA 24V/150mA	180kg(350Lbs)	Yes	No	Single Door
EL-180BS	340L*42W*21H	12/24VDC	12V/300mA*2 24V/150mA*2	180kg*2(350Lbs*2)	Yes	No	Double Door

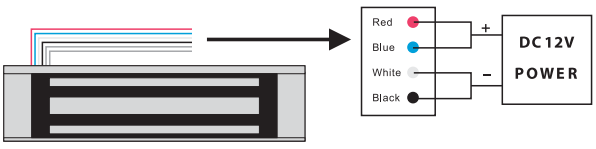
2. Application Range

1. Door Types: Wooden door, Glass door, Metal door, Fireproof door.
2. Control Mode: Building intercom system, Access control system.

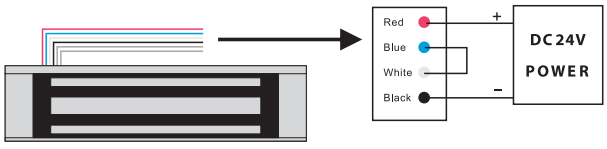
3. Note

1. Using powerful power supply, output voltage should be DC12V±10%,cable ＞0.75mm.
2. Don' hurt the galvanization layer during the installation.
3. Ensure the mounting plate well attach to the lock body.
4. The rubber ring must be added between armature plate and door leaf, don't fasten the screw tightly, keep the rubber ring elastic.
5. Don't welded the mounting plate to the door, or will effect the lock.
6. Clean the slushing oil with cloth, don't use alkaline or pungent cleaner.

4. Wiring of Lock (Without signal output)

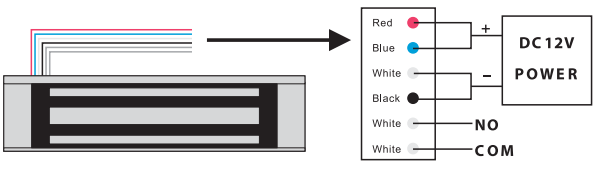


DC 12V:Connect Red and Blue wire as Positive pole of "+", Connect White and Black wire as Negative pole of "-"



DC 24V: Red wire is Positive pole of "+", black wire is Negative pole of "-"and connect White and Blue wire.

5. Wiring of Lock (with signal output)



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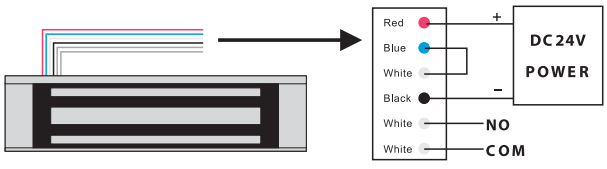

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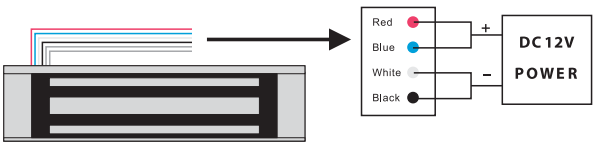

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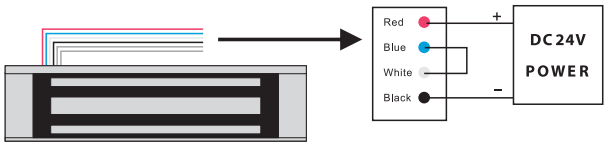

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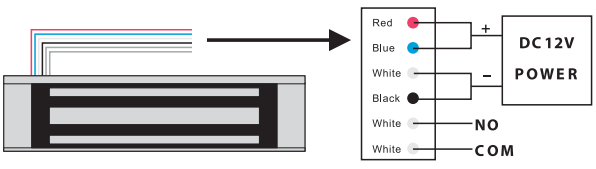

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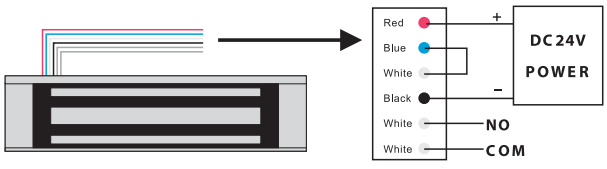

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