Intelligence Lock

※Digital Control
Work voltage: DC12V~DC18V
Operating by electricity or key or hand
Automatically lock
Saving power ,low noise,long life, Easy to install

※Appication
Fit for all sorts of access control and doors

Work voltage: 12VDC—18VDC
Consumption power: 5W
Electricity status: discontinuous supply current DC12V/1 second
Limited warranty: one year or 350000 times
Temp. range: -40°C----- + 50°C
Regulated and filtered voltage: DC500V(one minute)

▲Feature :
Digital circuit control
1. Nondirectional-------They are suitable for
all sorts of access control system.(in-swinging door or out-swinging door)

2.Saving power ---- the power consumption is 10% lower than electric rim lock &EM lock

3.Lowest friction ---- because the intelligent lock can work by sensor, but the electric rim lock work by pressure.

4.No any request to door closer------When lock, the deadbolt can't hit the door.

5.No noise---- There are almost no friction between the door
and the lock when it locks automatically.

6.Long life------We use the electric engine and the magnet switch imported from Japan as the heart key to our lock.

7.Hint information-----When unlock and open the door we will hear the hint sound. If unlock and not open the door we also hear different hint sound
8.With LED -----when lock the light is red, contrarily is green

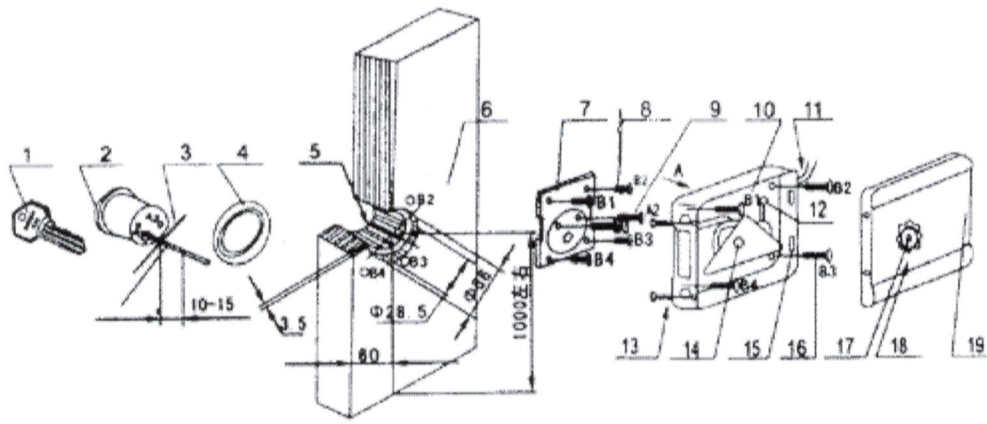
9. Inspect the deadbolt automatically----the door will lock after 15 seconds when unlock and does not open the door

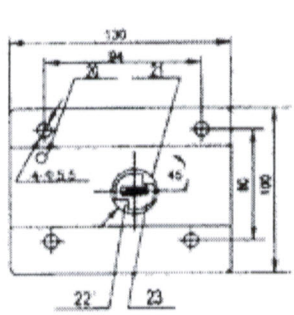
10. Protect the circuit-----if the circuit is over loading, then it will be fail-safe. After 3 minutes it will work normally

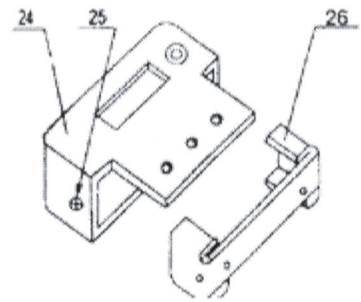
11. Automatically alert---- when it can't lock or unlock

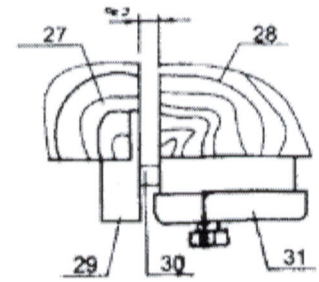
12.Quite adaptable ------Work voltage is 12VDC---18VDC

13.Install conveniently









1. The key
2. The cylinder
3. The door level
4. The ring of the cylinder
5. The cylinder hole
6. The door leaf
7. The back plate
8. Four wooden screw
9. Two special screw
10. The body lock
11. The wire
12. The hole for the wire
13. The screw for fixing the cover
14. The swivel hole
15. The slot for fixing the cover
16. The screw for body lock
17. The swivel knob
18. The cover
19. The position to fixing the cover
20. The hole for the wire
21. The position to the cylinder core
22. The position to the cylinder lever
23. The hole
24. The padlock
25. The screw for connecting the support and the small back plate
26. The small back plate
27. The door frame
28. The door leaf
29. The padlock
30. The deadbolt
31. The electric lock

Installation Process

1. Making holes in the door

①. The hole will be made about one meter from it to the floor.

②. Another hole will be made so that we can fix the plate.

(Looking at the drawing of installation indication).

2. Installing the cylinder

①. We put the cylinder ring on the cylinder and set the key, then simulate to put them into the hole, and the cylinder lever passes the hole on the fixed plate.

②. The cylinder lever should extend 10-15mm. If more we should cut the unwanted.

③. Do "①" again and reset. (Thickness of door leaf is more than 30mm)

④. Fix and tighten the two M4×45 screw in order to fix up the plate

⑤. Fix the back plate and the cylinder and tighten the four screw. (pay attention to the position to the hole on the back plate when the cylinder lever turns freely)

3. Installing the bodylock.

①. Open the cover (attention to the screw)

②. Fix the circuit line from the wire hole (looking at installation drawing indication)

③. Adjust all of the parts of the lock (attention the cylinder lever)

④. Test the sensitivity of the deadbolt extension when operate by key

4. Connecting the circuit wire. (looking at the simulation drawing)

5. Installing the cover.

① Fix the screw and inspect if stability or not

② Test the sensitivity of the swivel

6. Connecting the padlock.

①. We will simulate to fix the padlock : pay attention to the position from the bodylock to the padlock(≤5mm)

②. Unloading the small back plate from the padlock, then fix the small back plate on the door frame

③. Fix the plate and tighten it and screw

The above operation through looking at the drawing of Installation Indication.

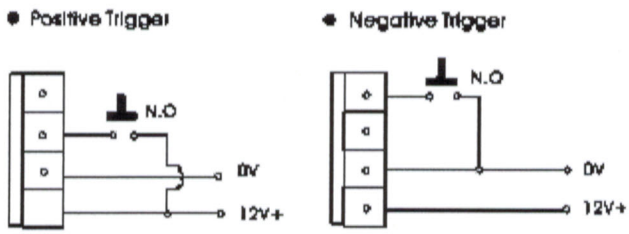
. Inspection

A. When close the door, the deadbolt should extend out automatically, and lock.

B. When giving the opening signal to the bodylock, the deadbolt should draw back, and the door open.

C. Do A&B several times. If ok, it is normal.

Wire Connection



Wire Size Selection Table

Distance (m)	Wire Size (mm^2)
8	0.3
15	0.5
25	1.0
40	1.5
60	2.5

Use Instruction Of Zaoan Lock

Product Statement:

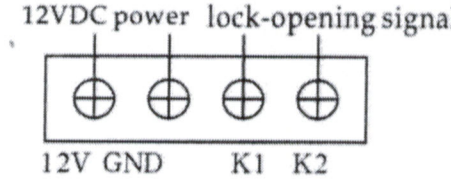
RD-222 type intelligence electromotor Lock, a new kind of electronic lock specially designed for access control system and building intercommunication system, adopting CPU automatic control, is equipped with the lock of automatic detection, no noise for open, and automatically lock when close the door. It owns multi-kind of lock ways such as electric control, button, knob and key, and comes out with the sound hint when opens or close, it will automatically retract if the lock tongue isn' t in the right position after closing the door, and alarms the user to close the door well by mooing. The lock is equipped with the lock tongue of picklock prevention, which is featured with long life, low power waste, good safety capability etc.

Technical Parameters:

Work voltage: 12VDC
Work current: 150mA
Static current: 20mA
Electric control lock-opening voltage: 6~18VDC/AC
Lock-opening delay time: automatically lock within 6 if no opened.
Alarm time: 3min
Lock tongue reach-out length: 20mm
Work way: magnetic induction
Use life: 0.5 million times
Specification: 128x98x46mm

Connection Instruction:

12VDC power :positive to 12V
negative to GND
electric-control lock-opening signal :positive to K1
negative to K2



Installation Diagram: