Outdoor Electronic Rotary Latch IP67

Description

Electronic rotary latch is an electric lock driven by gear-motor, which distinguishes it by low power consumption and high load capability. With sealed actuator IP67, it is definitely tough enough for outdoor application. Designed with delay re-lock function, it allows flexibility of controlling the unlock time. An optional internal door sensor provides reporting of open/ close status and mechanical kits for manual override in case of power failure. With easy push-to-close operation, the latch builds an internal spring rod to push door open when electrified. It simplifies the access control of heavy duty vehicles and equipment.

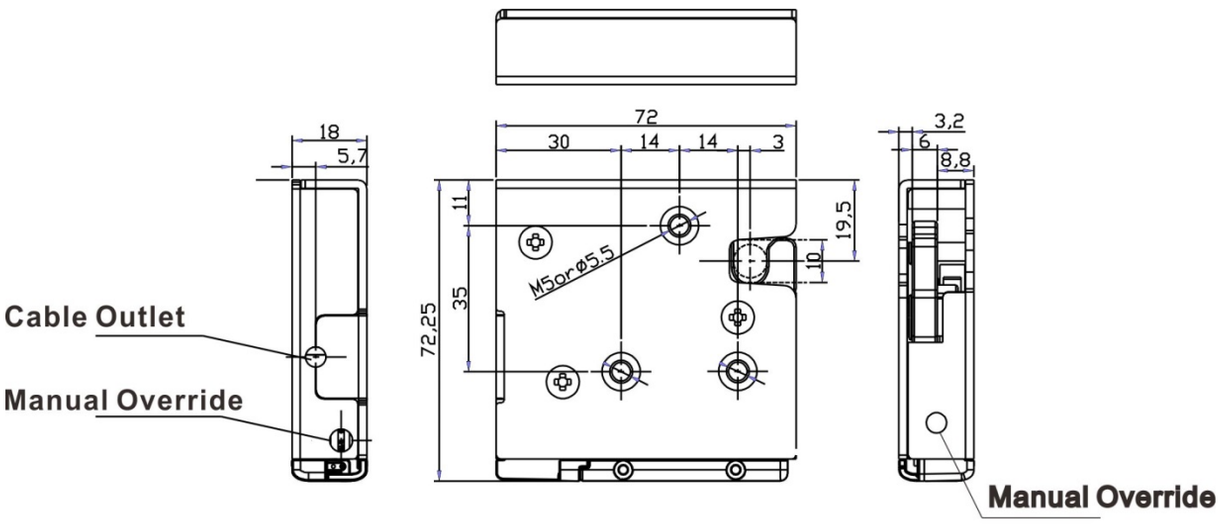
Features

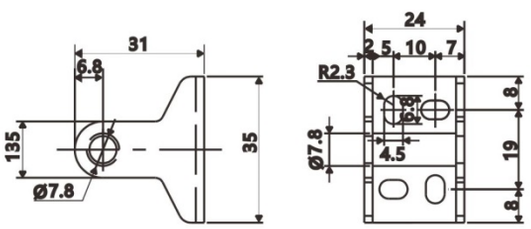
- Tough metal construction, stainless steel option
- Sealed Microprocessor controlled gear motor
- Operates against heavy mechanical loads
- Optional internal microswitch for reporting open/close status
- Push to lock and electronic release
- Corrosion-resistant version available for outdoor use
- High strength and durability
- Accept control inputs from any access control devices

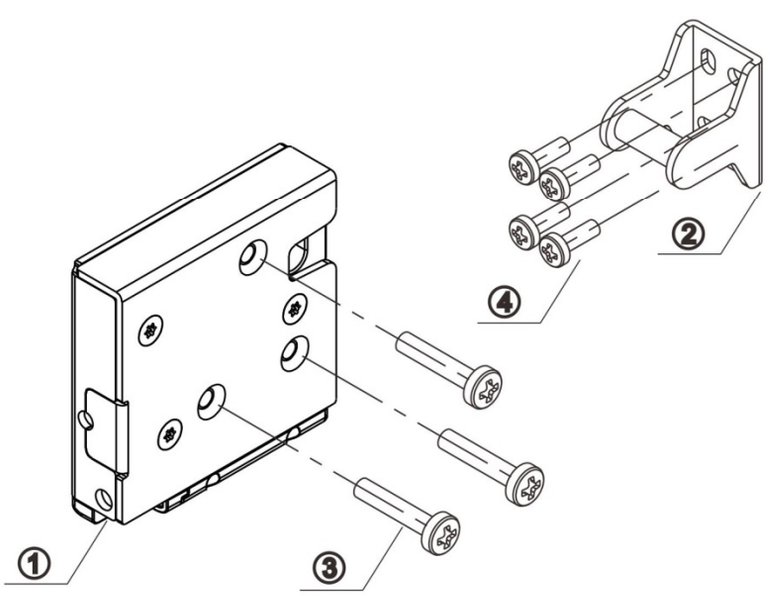
Specifications

Operation Voltage:	12-24VDC Nominal
Operating Current::	Less than 100mA at 12VDC
Standby Current:	less than 10uA
Control Signal Voltage:	8-26VDC
Time of Latch Release:	600 million second free load
Operation Mode:	Fail secure
Holding Force:	600KG
Cycle Rating:	More than 1,000,000
MS Contact Rating:	5A @125V
Working Temperature:	-40ºC ~ +80ºC
Dimensions LxWxH:	72.25mm*72mm*18mm
Weight:	330g
Protection Class:	IP67
Certificate:	CE, RoHs, FC, ISO9001

Dimension:

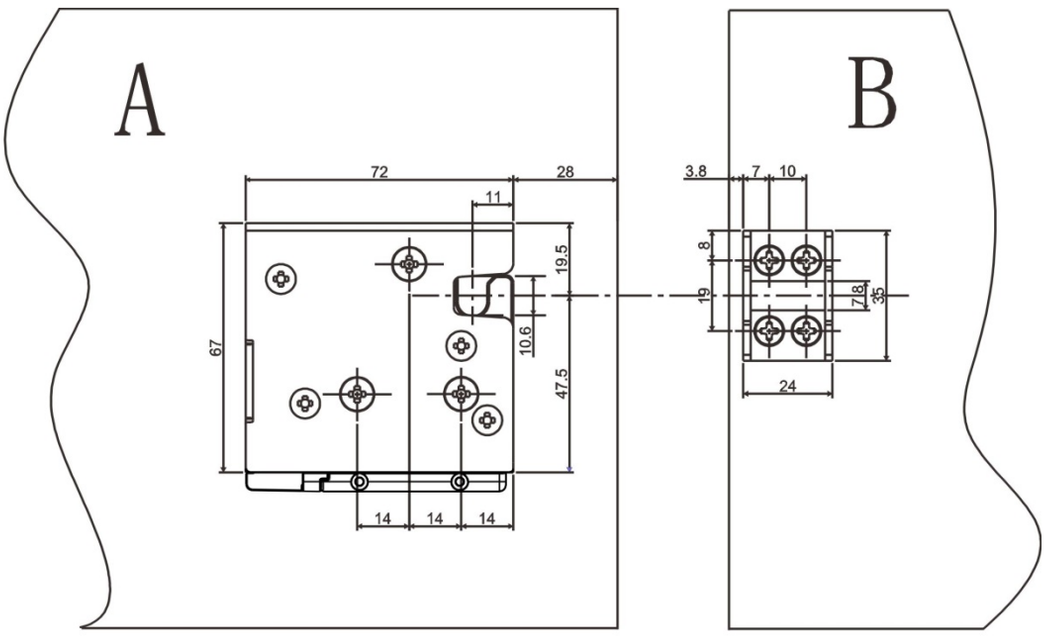


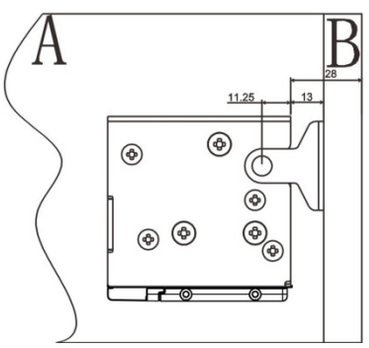


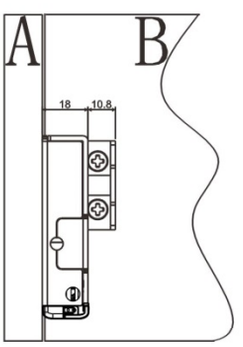


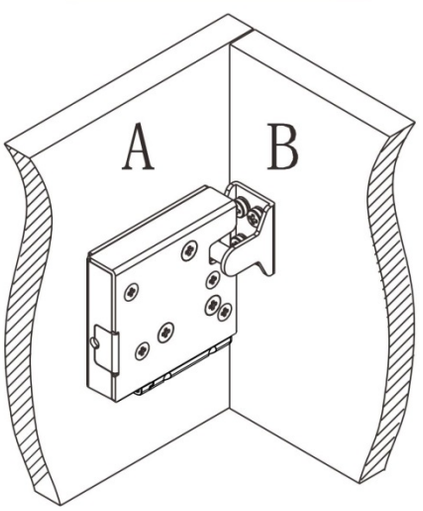
①	Lock Body	1pcs
②	U Hook	1pcs
③	M4x10mm round head screws	4pcs
④	M5x16mm round head screws	3pcs

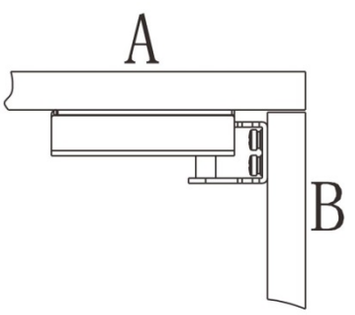
Installation



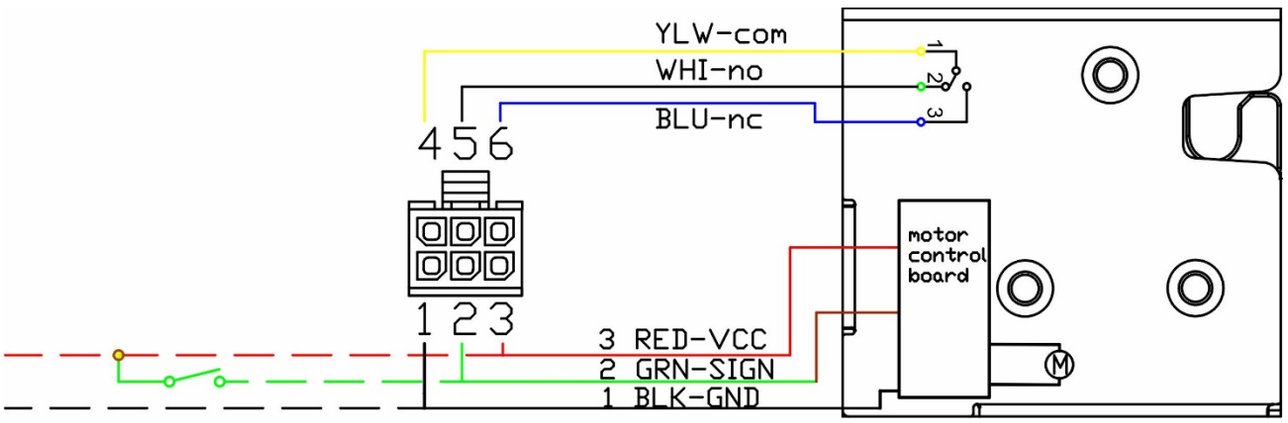








Wiring:



Cable Length: RVV 5P 24AWG 1007 14CM
Connector: Molex 43025-0600
Mate connector
Molex 43020-0601 with contact 43031-0007

Warning:

Switch circuit is not fused or electrically protected! Use appropriated external circuit protection.

Latch can be damaged if wired incorrectly, or if improper voltage is applied.

Electrical Operation:

Lock and unlock:

Pin 3 power (red) and Pin 1 ground (black) are for power supply, both pins should connect to power always. *Recommended power supply: 12-24VDC at 1 Amp minimum per latch.*

Pin 2 in green is control signal, when it contacts pin 3, send control signal high for 500 milliseconds minimum to unlock(12VDC).

Time Interval between two operations is minimum 1 second.
Push to lock

Delay for holding:

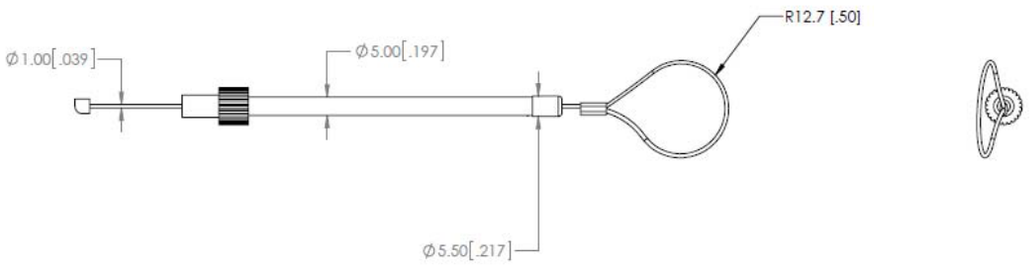
Pin 2 in green is control signal, when it contacts pin 3 and keep on sending signal high, latch will always be triggered until disconnected.

Optional switch:

-Normally open contact provides switch closure when latch cam is closed.
-Normally closed contact provides switch open when latch cam closed

Mechanical Operation:

The latch is available with mechanical override kit, which can be customized.



Standard Material and Finish

Housings: Steel Zinc-Nickel Plated.
Cam and Triggers: Steel power metal.
Springs: Stainless steel 304
Electronic Actuator: plastic (fireproofing ABS), Silicone and buna seals, and metal components.
Micro switch: Water proof IP67 with CE&UL.

Options for customization						
Voltage	**Current**	**Trigger Spring**	**Mounting holes**	**Material**	**Cable**	**Connector**
8-26V	60mA	0N 10N 25N 35N	M5 thread(standard) Ø5.5 thru (Optional)	Steel Stainless Steel 304	Twisted RVV Flat cable	Molex KF2510 PH JST