Contactless Infrared Sensor Exit Button

ABT-30IR

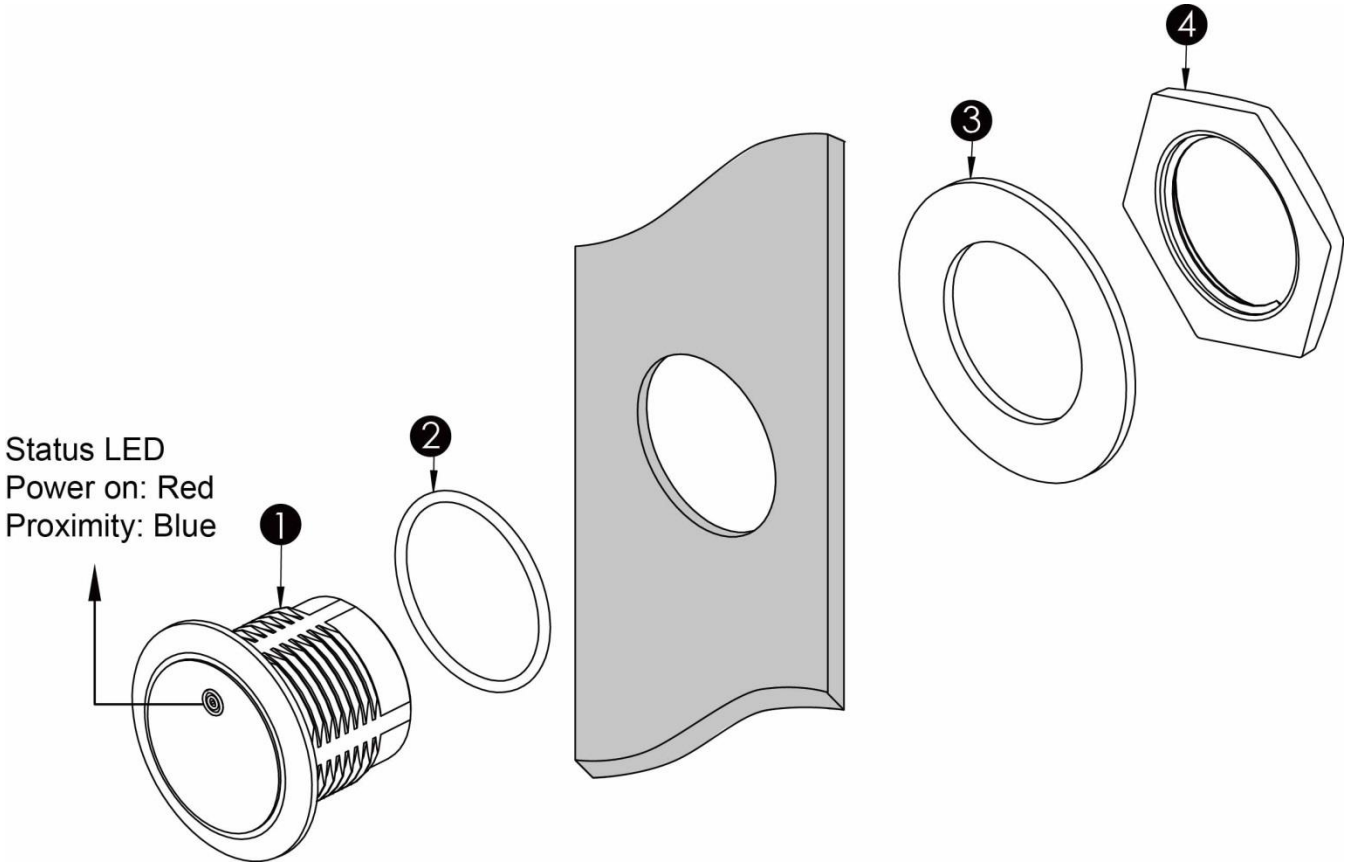
Ver20.2

- **Features**
- Built-in micro controller for decoding infrared signal to avoid interference from the noise.
- With bi-color status LED (Power on: **Red**/ Proximity: **Blue**).
- Adjustable proximity range: **3~15cm** (Default: 15 cm), depending on the reflection rate of different object.
- Support **adjustable opening time 0.5~20 Sec.** (Default: 0.5 Sec.) or **latched ON or OFF output.**
- With **N.C.** and **N.O.** output.

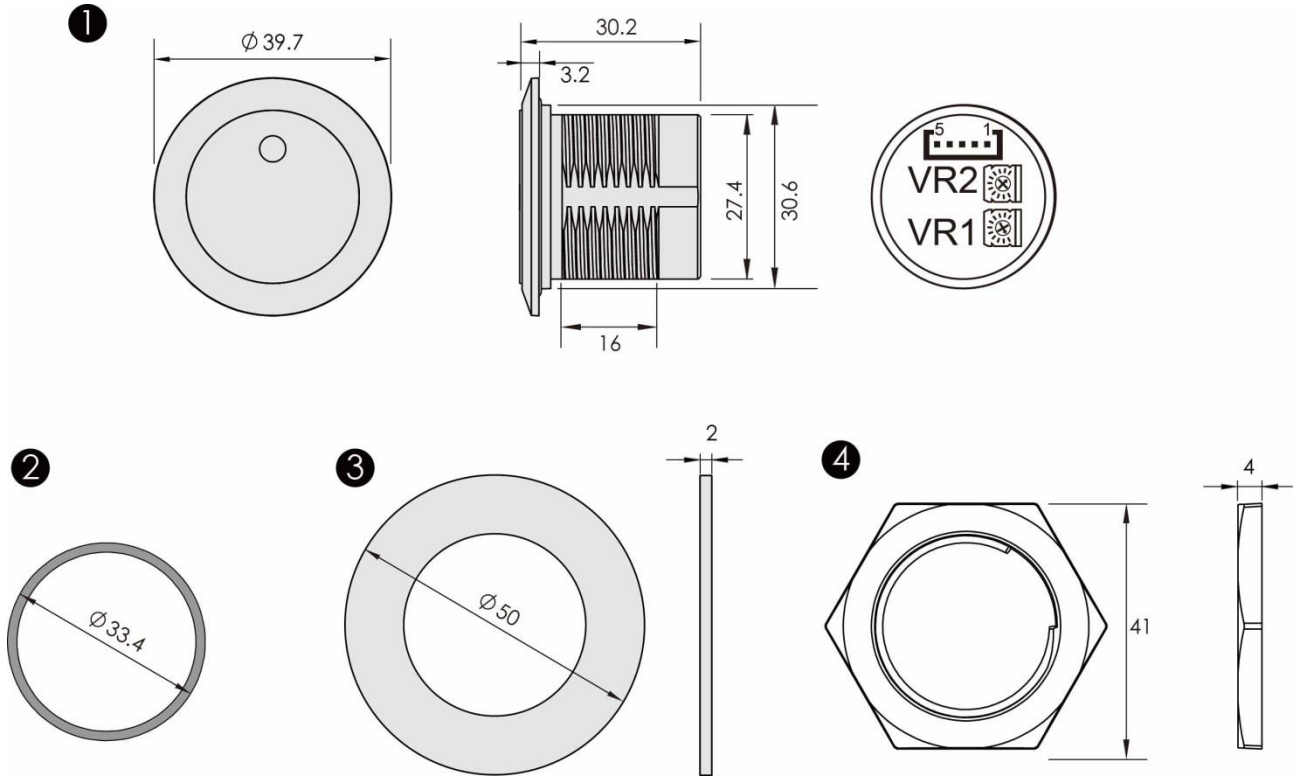
- **Specification**

Material	Polycarbonate fire & UV proof material
Waterproof	IP65
Power supply	DC 12V 1A
Relay contact rating	1A@ 30 VDC
Current	DC 12V Standby Current: 25mA±5% Operating Current: 37mA±5%
Operating temperature	-20℃ ~ 75℃
Life	100,000 cycles (1A 30VDC, 0.3A 125VDC) 50,000,000 cycles (Dry Contact)

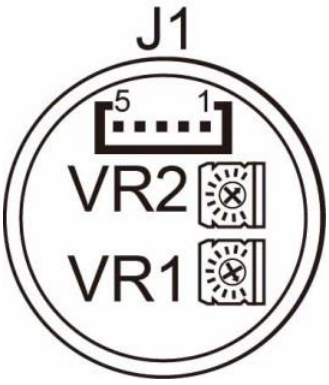
- **Appearance**

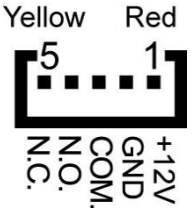
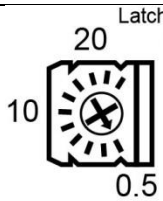
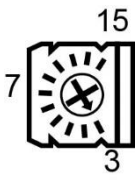


- **Dimension: Unit(mm)**



- **Pin definition**

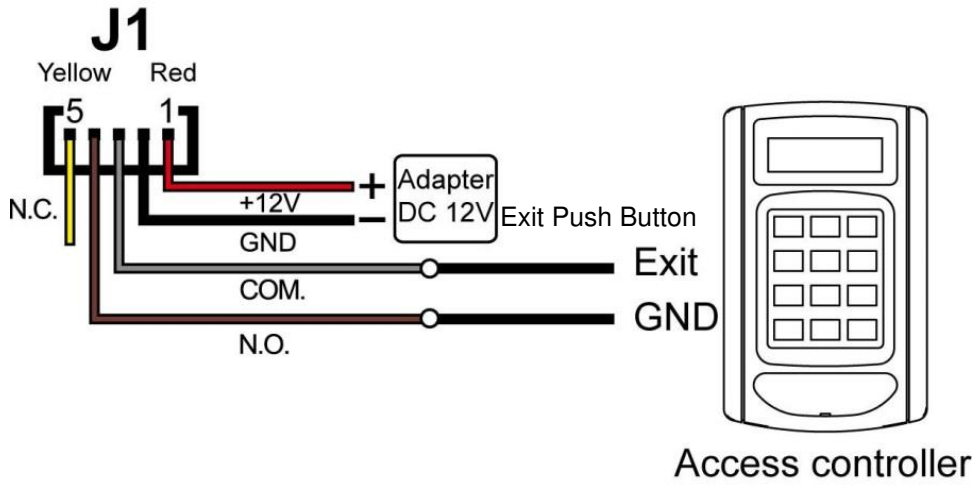


J1 - Power and relay output			
	**Pin**	**Color**	**Function**
	1	Red	+12V
	2	Black	GND
	3	Grey	COM.
	4	Brown	N.O.
	5	Yellow	N.C.
VR1 - Adjustable opening time. (Unit: Sec.)			
	**Adjustable opening time** : 0.5~20 Sec. **Latch ON or OFF:** Turn right to the end **(Default: 0.5 Sec.)**		
VR2 - Adjustable proximity range. (Unit: cm)			
	**Adjustable proximity range**: 3~15cm **(Default: 15 cm)**		

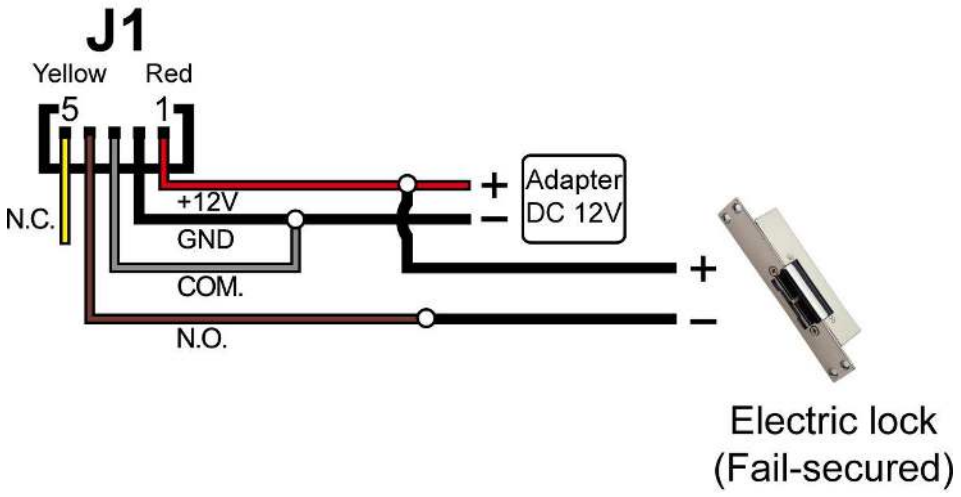
- **Note**
  - Please make sure the voltage range before installing to avoid product damage.
  - Please check no other object in front of the infrared sensor before turning on the power.
  - Please re-transmission power or proximity the infrared sensor three times after adjusting VR1.
  - Attention: Please do not turn the internal PCB to prevent light leak and further act incorrectly.

- **Wiring diagram**

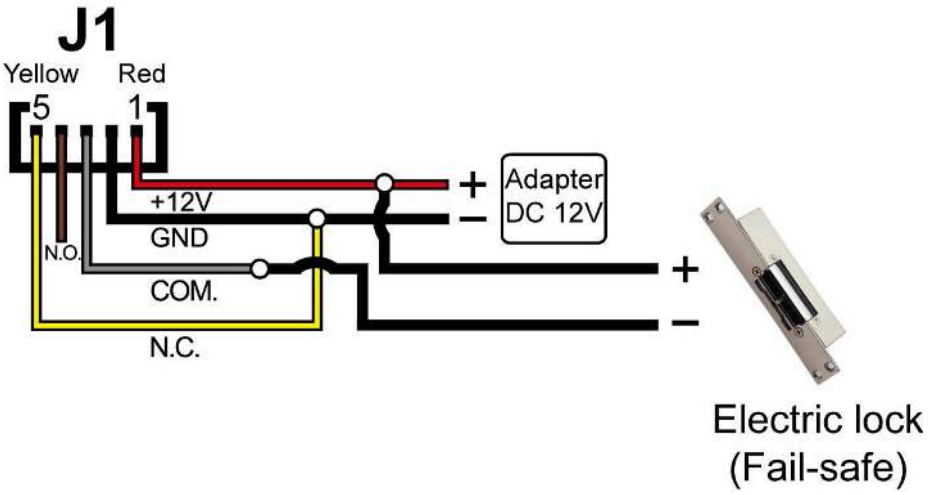
Connect to access controller



Connect to electric lock (Fail-secured)



Connect to electric lock (Fail-safe)



- **Packing list**

Manual	: 1 pcs
5 Pin connector	: 1 pcs