Contactless Infrared Sensor Exit Button
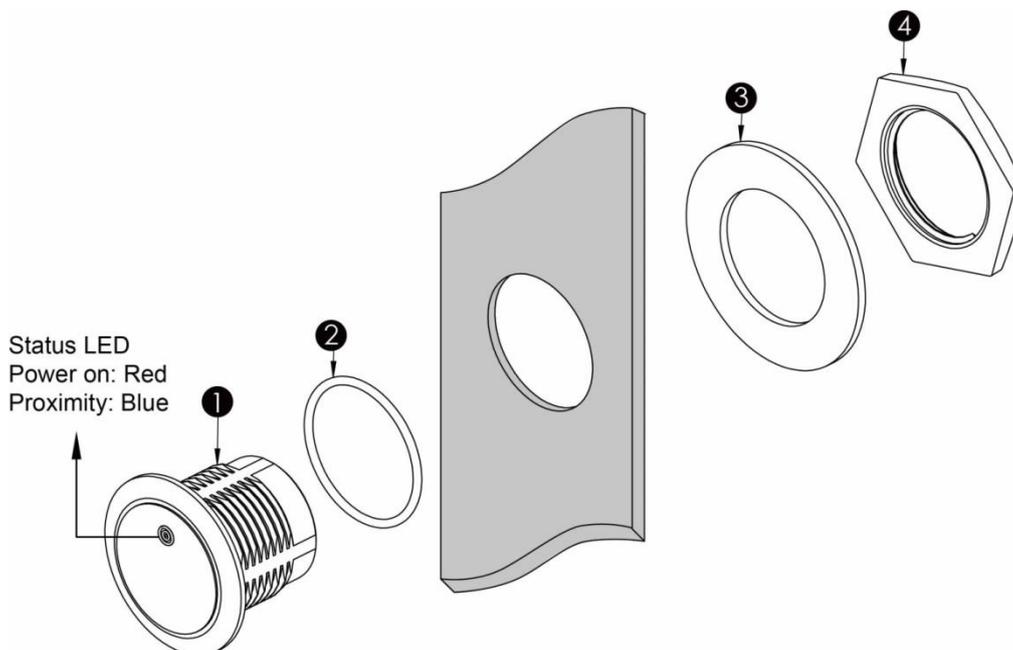
ABT-30IRV

Ver21.1

- **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.**
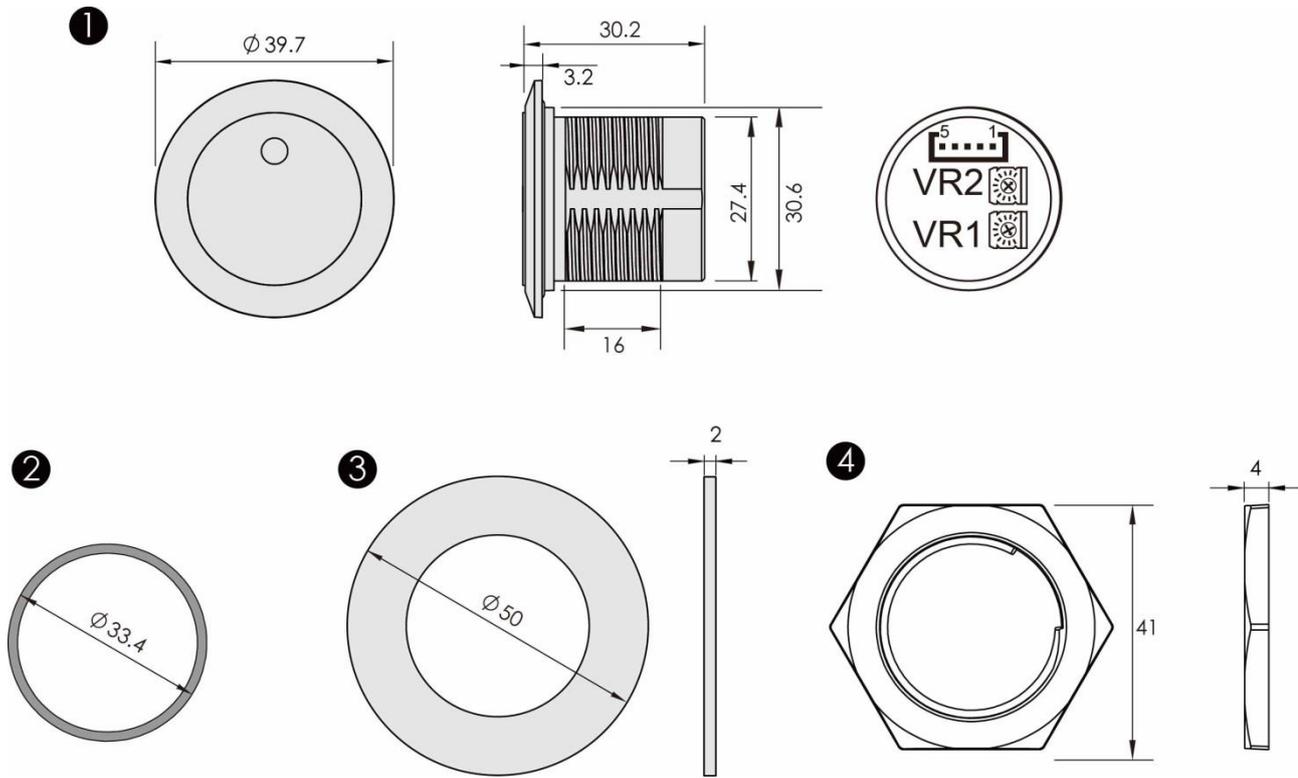- With **N.C.** and **N.O.** output.

- **Specification**

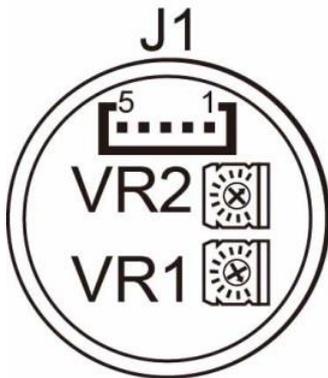| Material	Polycarbonate fire & UV proof
Waterproof	IP65
Power supply	DC 10V~24V
Relay contact rating	1A@30VDC, 0.3A@60VDC, 0.5A@125VAC
Current	Standby Current: 20mA@10VDC, 13mA@24VDC Operating Current: 42mA@10VDC, 26mA@24VDC
Operating temperature	-20℃ ~ 75℃
Life	Mechanical : 10,000,000 operations min (at 1800 operations / hr) Electrical : 100,000 operations min (at 1200 operations / hr)

- **Appearance**

Status LED
Power on: Red
Proximity: Blue

Dimension: Unit(mm)

❶

Ø 39.7

30.2
3.2
27.4
30.6
16

VR2
VR1
5 1

❷

Ø 33.4

❸

Ø 50

2

❹

41

4

Pin definition

J1

5 1
VR2
VR1

J1‑Power and relay output			
Yellow Red 5 1 N.C. N.O. COM. GND DC 10~24V	**Pin**	**Color**	**Function**
	1	Red	DC10~24V
	2	Black	GND
	3	Grey	COM.
	4	Brown	N.O.
	5	Yellow	N.C.

VR1 - Adjustable opening time. (Unit: Sec.)	
Latch ON or OFF Output 20 10 0.5	**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)	
15 7 3	**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.
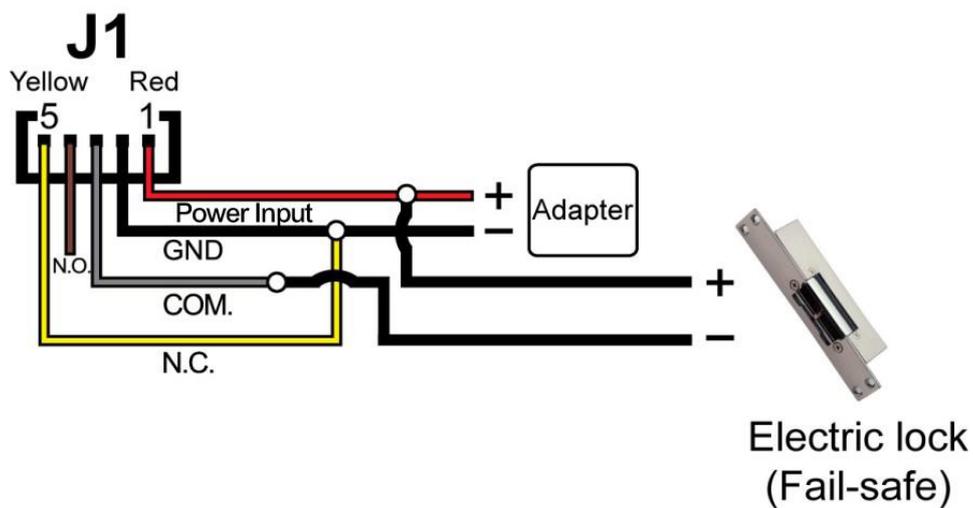
Wiring diagram

Connect to access controller
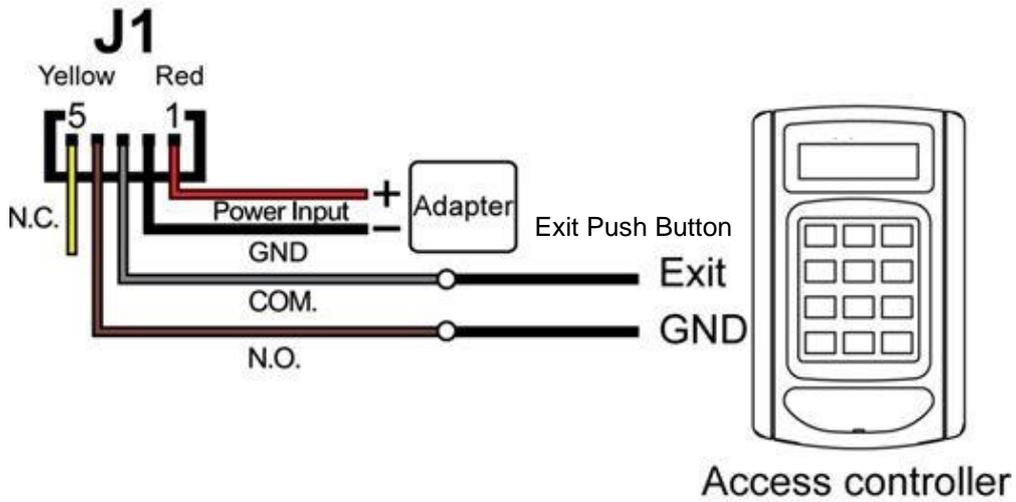
Connect to electric lock (Fail-secured)
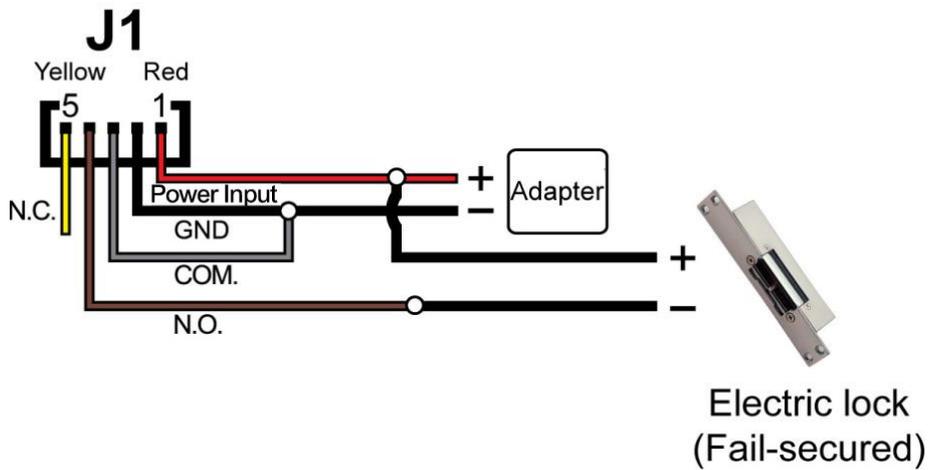
Connect to electric lock (Fail-safe)

● **Packing list**

Manual   : 1 pcs

5 Pin connector   : 1 pcs