

Product Description

Usage Scenarios and Recommendations

- **Infrared Beams**

- **Usage Scenarios:** Infrared beams are mainly used in parking lots for simple vehicle presence detection, such as at the entrance and exit of parking lots to detect whether a vehicle is approaching or passing through, and can also be used in gate systems to prevent tailgating. They are suitable for environments with relatively few interference factors and lower requirements for detection accuracy.
- **Recommendations:** It is recommended for small - to medium - sized parking lots with simple environments and low - cost requirements. However, since infrared beams are easily affected by environmental factors such as light, fog, and rain, resulting in false positives or missed detections, their application scenarios are somewhat limited.

- **Vehicle Detectors with Coils**

- **Usage Scenarios:** Vehicle detectors with coils are widely used in parking lots, toll stations on highways, and traffic signal control systems. They can accurately detect the entry and exit of different vehicles, and are suitable for various types of vehicle detection scenarios. By dividing the laying area of the ground - sensing coil, they can effectively manage the entry and exit of vehicles, such as controlling the lifting of gate bars and detecting the occupancy of parking spaces.
- **Recommendations:** It is recommended for parking lots with high - traffic volume and high - accuracy requirements for vehicle detection. Although the installation of ground - sensing coils requires cutting the road surface, which is relatively complicated, they have high stability and reliability, and are less affected by environmental factors such as weather.

Scope of application	Straight bar gate
Input voltage	DC12V 150mA
Working frequency	24-24.5GHz
Modulation mode	FMCW
Transmit power	10-1 5dBm
Horizontal beam	< 30°
Vertical beam	< 17°
Detection distance	1-6 meters, +-0.1 meters
Operating temperature	-40°C~+85°C
Degree of protection	IP67

Detailed Images

Future:

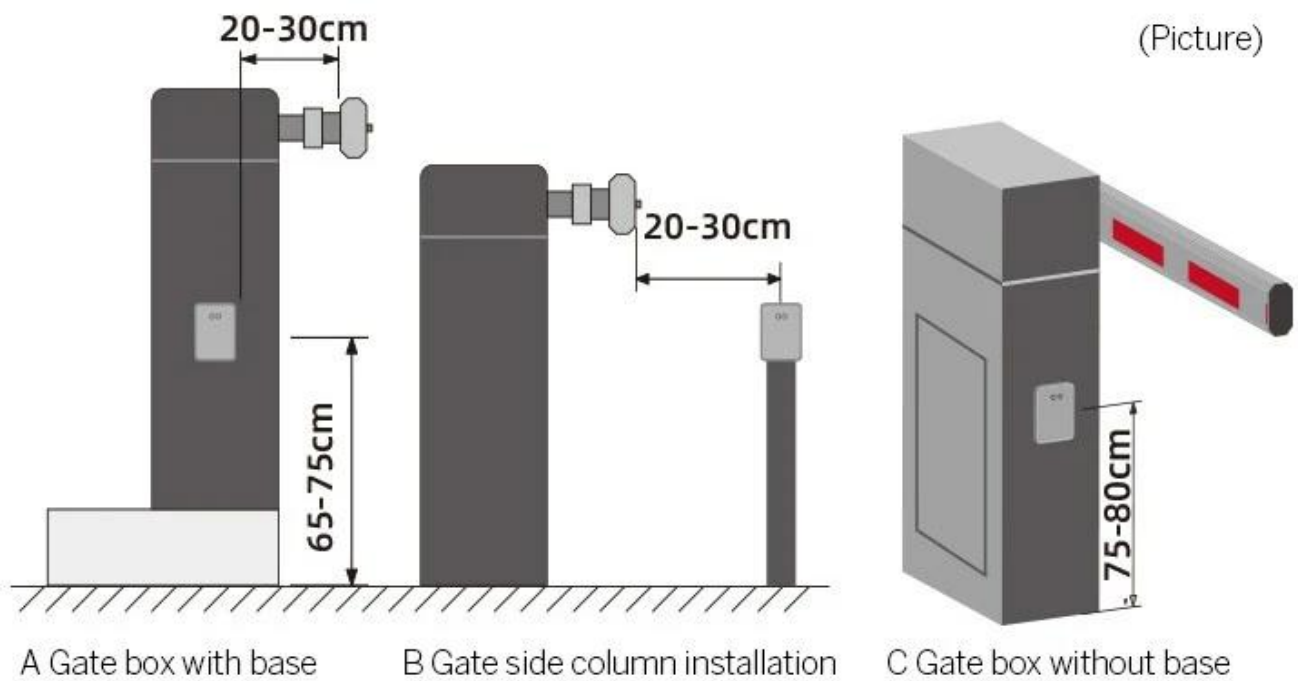
Industrial engineering design concept

Standard industrial guide installation

Strong anti-jamming ability and stability

Variety of output interface adapted to different scene

Variety of shape choice meet differentiation demand
High temperature stability
Environment drift automatic compensation function
Coil automatic fault detection function



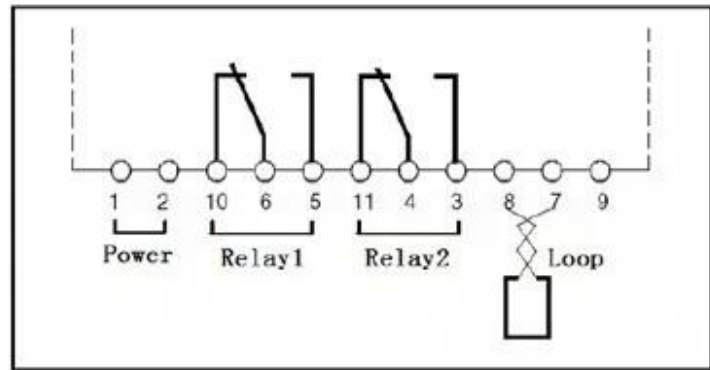




■ Install Detector

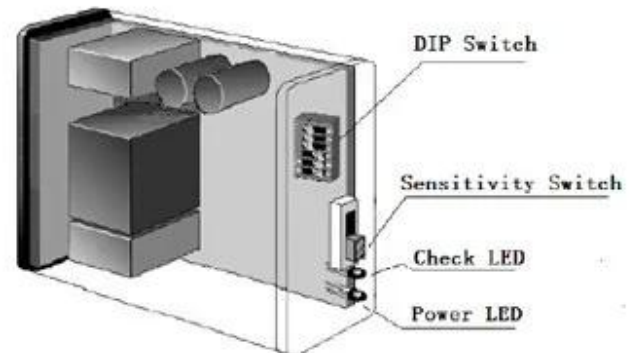
The loop detectors must only be placed in dry rooms or control cabinets that are protected against all types of moisture and wetness. A distance of at least 10 mm from other devices must be maintained on each side. The ambient temperature must not exceed 65° C. The installation of the induction loop is described in other operating instructions.

■ Wiring Diagram



■ Operation and Indication

When the power is applied, the red Power LED will glow and the detector is tuning, the green Check LED blink about 3 seconds. The green LED will also glow whenever a vehicle is detected passing over the inductive loop. If a loop fault exists the green LED will come on and flash indicating a fault.



Your May Need

We are Professional uhf reader manufacturer , Except the ACM812A , we also can supply ACM802A , ACM818A , ACM801A . The main difference of them are the reading distance . Also , ACM801A can be used to read multi-tag(200 pcs at one time) . For more detail , please click following picture .





ACM812A
2-5m reading range UHF reader
Wiegand 26 output, RS232/485

ACM818A
10-20m long range UHF reader
Wiegand 26 output, RS232/485

ACM802A
8-10m reading range UHF reader
Wiegand 26 output, RS232/485



ACM801A
10-15m UHF reader
Wiegand 26 output, RS232/485

ACM 8017
UHF Handheld Reader
UHF+WIFI+GRPS

ACM 918K
UHF 4-Antenna Channel High
Performance Fixed Reader

Our Service

- 1, Any inquires will be replied within 24 hours
- 2, Professional manufacturer and supplier, Welcome to visit our website and our factory
- 3, OEM/ODM Available
- 4, High quality, fashin desing, reasonable & competitive price, fast lead time
- 5, After-sale Service :
 - 1), All products will have been strictly quality checked in house before packing
 - 2), All products will be well packed before shipping
 - 3), All our products have 2-3 year warranty if the damage is not caused by human
- 6, Faster delivery : Around 1~ 5 days for sample order, 7~30 days for bulk order
- 7, Payment : You can pay for the order via : T/T, Western Union, Paypal

FAQ

Q: 1. How can I place an order?

A: Please list your requirement to us via Email. Then we will send the offer to you at earliest time,after order confirmation, we will arrange production ASAP.

Q: 2.What about the payment and shipment?

A: T/T ,Paypal, Western Union.

Clients can choose by sea, air or express(DHL, FedEx, TNT UPS etc.)

Q: 3. How can i get a sample to check your quality?

A:We could provide free sample to you, and the freight cost payed by you.

Q:4. How long can I expect to get the samples?

A: It depends on the quantity. Normally 3-7 days for 5000pcs and 7-15 days for 100,000pcs

Q:5. Can your products be customized?

A: Almost all of your products are customized ,including the materia, size, thickness and printing. OEM orders are highly welcome.

Q:6.Are you a trading company or factory?

We are the one of the biggest manufacturer of RFID cards/NFC tags/RFID keybod /RFID wristband□rfid reader and access control products in China more than 20 years.