

1. Introduction of Sensors



2. Battery Installation

Sensors are powered by ER18505 battery.

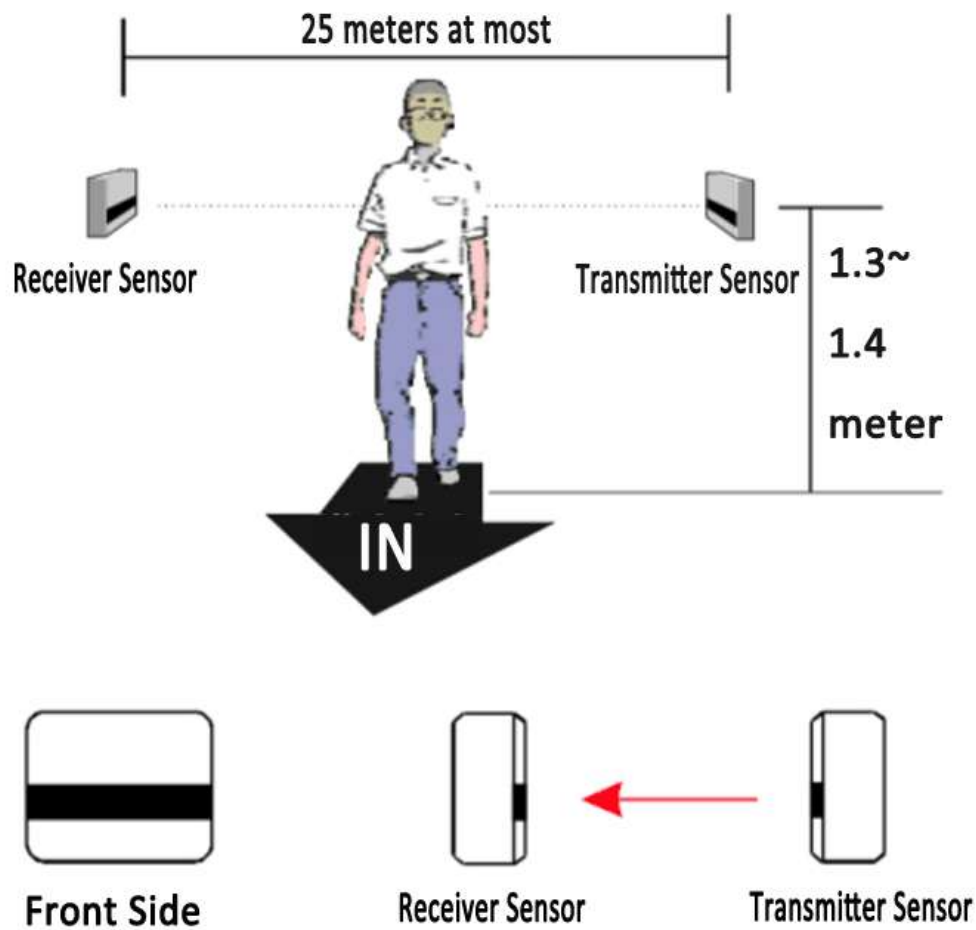
When yellow lights keeps flashing on receiver sensor, or red lights flashing on transmitter sensor, you should replace a new battery.



Please note the battery installation direction

3. Sensors Installation

Sensors should be stick on the two sides of entrance with the stickers we support. Please make sure they are face to face and in same height.



Note:

If receiver sensor doesn't get the signal from transmitter sensor, the red light flashes.

If receiver sensor get the signal from transmitter sensor, no red light flashes.

Tilt position can be adjusted by metal stand (purchase on selection)

Can penetrate glass door with a tilt angle of less than 30 degrees

Paste on the door frame or wall with double-sided sticker

4. Receiver Settings

Receiver is operated by two touch buttons. When there is no touch operation, the screen will shut down after 10 seconds. Long press K1 or K2 to enter the setup menu. Or connect receiver to computer via a USB cable and set the parameters through the client program.

1. DataTime Set

▼K1 K2▼

Set the system time, long press K1 to enter the setting option.

Long press K1 to change position, long press K2 to save and exit.

Short press K1, K2 to adjust the numerical value.

3. Work Period
 ▼K1 K2▼

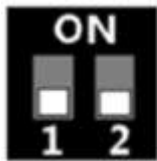
Set the work period, long press K1 to enter the setting option.
 Long press K1 to change position, long press K2 to save and exit.

4. Probe Speed
 ▼K1 K2▼

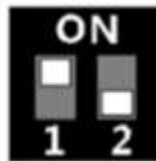
Receiver has two modes of operation: high speed, low speed.
 The low speed mode is used by default, which detects normal walking speed.

If the scene target you are using is moving faster, please select the high speed mode and adjust the speed status of the transmitter to high speed accordingly, then restart the transmitter to take effect.

Transmitter DIP Switch Function Definition



Low Speed



High Speed

Coding	ON	
1	High Speed	Low Speed
2	High Power	Low Power

5. Save Interval
 ▼K1 K2▼

Used for the device with data export version, set the save interval.
 Optional: Real time / 1 minute / 30 minutes / 1 hour, etc.
 Receiver periodically saves a record according to the set save interval.

Receiver always saves only the last 3200 records, please export the data in time.

E.g:

The save interval is 1 hour, work period is 12 hours per day, then 12 records are saved every day, 3200/12=266, the last 266 days can be saved, and the recorded data is the accumulated in and out data per hour in the business hours.

If the save interval is set to "Real Time", the receiver will save a record every time it detects a count, and only the records of the last 3200 people can be saved.

5. Data Query and Export:

- Operation on the device and Data Browse

2 Data browse
 ▼K1 K2▼

Enter the menu bar, select "2 Data browse " and continue press K1 to enter. Long pressing the K1 to switch the date year/month/day, Short pressing K1 K2 to switch records.

3 years : 2016 12 months 2016-05 30 days 2016-05-08
 12345 12345 ◀2850 2868▶ ◀350 348▶

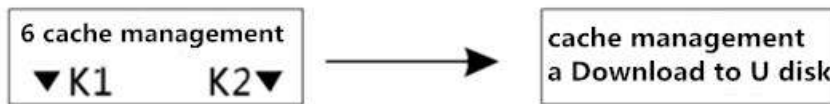
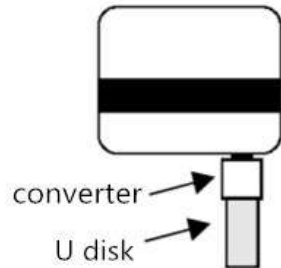
Can query the accumulated annual visitors traffic for the last 3 years/ the total number of Per month in the last 12 months and the total number of per day in the last 30 days

- Export data via a USB cable from a computer

For further details, please check the software tool instruction.

- Export data via U disk

Only support U disk with FAT32 file system, recommend the storage capacity not exceed 32G, use the matching converter, then insert to Micro USB port on the sensor.



Enter the “cache management” menu, choose the “a Download to U disk”, wait for the download to complete.

The sensor counter only provides export function for undownloaded data, If you want to download all the data again from sensor, you need to perform “c re-download setting” firstly then operate the “a Download to U disk”.

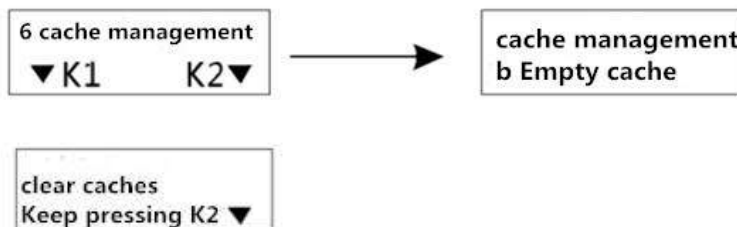


Forbidden to operate any steps during the data record download process, the ID of each sensor counter device is unique, U disk will create a directory according to different ID codes and convenient to manage data records from many devices.

Pull out the U disk until finished all of downloads.

6. Data clearing

Enter the “cache management” menu, choose “b Empty cache”, then long pressing the K2.



Long pressing K2 to clear all caches,

Long pressing K1 to return.

Unrecoverable after clear cache, Be cautious to operate this step!

It is for clearing all data and has no effect on the parameter settings.

7. Indicator Light Status

	counter terminal	sensor counter transmitter
Red light	Flashes when blocked by an object	Flashes at low voltage
Blue light	Flashes when reading and writing data	6 flashes at startup
Yellow light	Flashes when touch operation or low voltage	

8. Common Problems Solution:

8.1 Red light on Counter terminal keeps flashing:

8.1.1. The infrared sensor counter transmitter and the counter terminal are not aligned or not at the same height

Solution: Adjust the counter transmitter and terminal installation position so that both of them are at the same height and face to face.

8.1.2. There is obstacles blocking between sensors

Solution: Remove obstruction

8.1.3. Battery in transmitter is low

Solution: Replace new battery

8.1.4. The working mode of the transmitter and the receiver do not match

Solution: Adjust the high speed and low speed modes to make them consistent

8.2 Yellow light keeps flashing on receiver sensor

The battery is low, please replace the battery

8.3 Yellow light is on all the time on receiver sensor

Because the touch button does not respond to contact with the lid, please open the lid and stretch the button spring.

8.4 Receiver sensor counts in one direction, or counts disorderly.

8.4.1. The transmitter and the receiver are not aligned or not at the same height

Solution: Adjust the installation position so that both of them are at the same height and face to face.

8.4.2. The receiver gets other infrared device signals,

Solution: Shut down the device or change a location to install.

8.4.3. There is strong light source interference next to the receiver sensor

Solution: Turn off the light source or change a location to install.

8.5 For a long-distance installation situation, red light on receiver sensor keeps flashing.

Turn the transmitter sensor 2# coded switch to the ON position, then restart transmitter sensor. At this time, the transmitter sensor will use the large transmit power operation mode.