

SmartCounter B+ Installation Guide

People Counting

Version 1.0.0

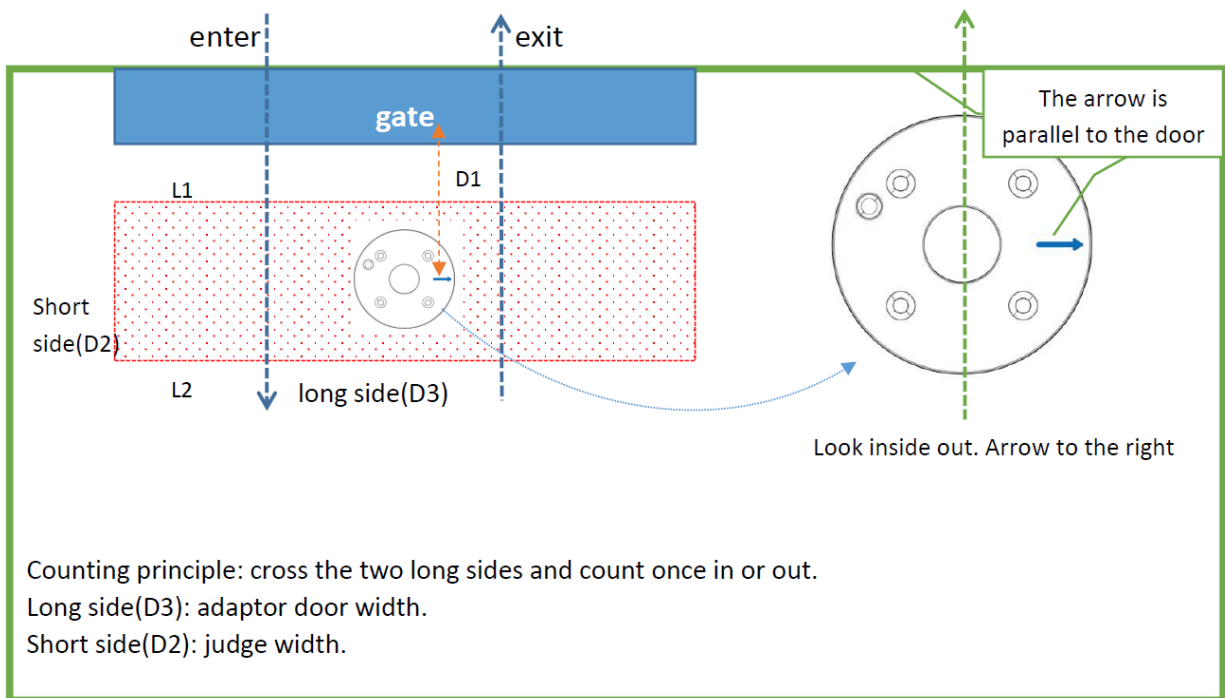
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Overview

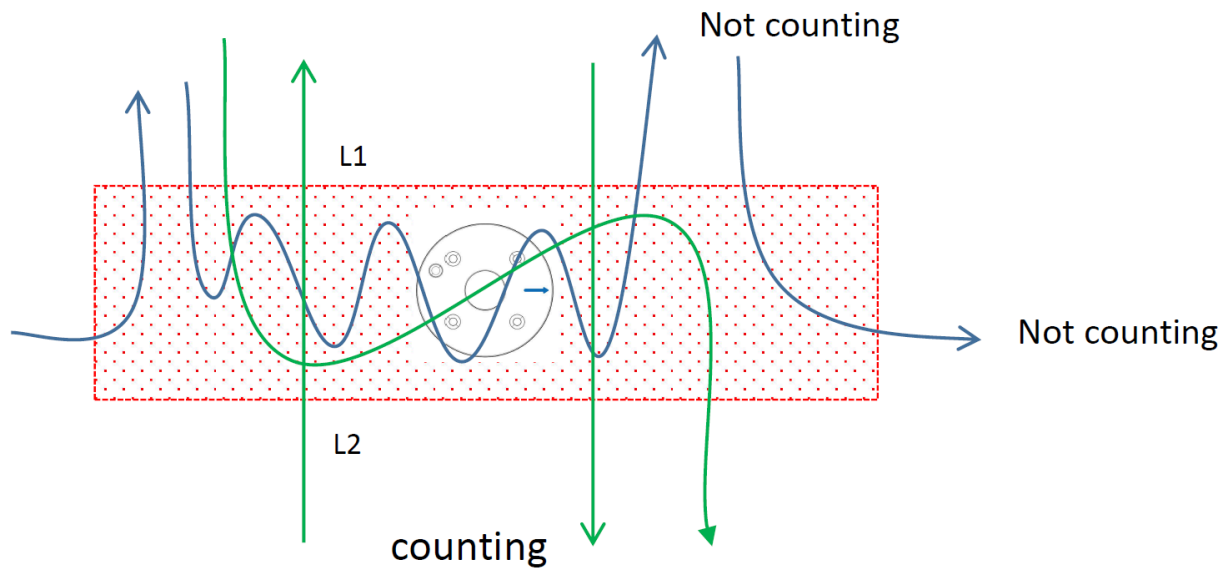
The SmartCounter is designed to track how many people engage with displays and advertisements. Small, precise, and cost-effective, SmartCounter covers large areas using advanced technology, without a camera, and provides accurate counts of people who pass by, dwell, and view display content.

Installation and Deployment



Top view

Counting Principle

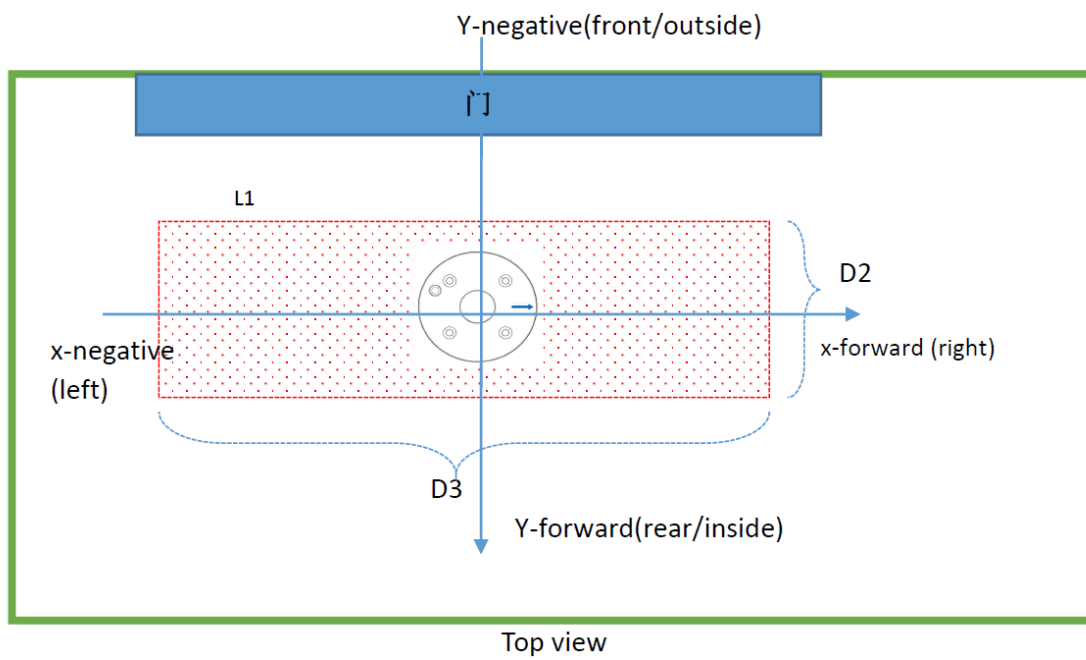


Green line: counting

Blue line: not counting

Counting Principle: cross the two long sides (L1, L2) and count once in or out.

Set the Width of the Count Judgement Area



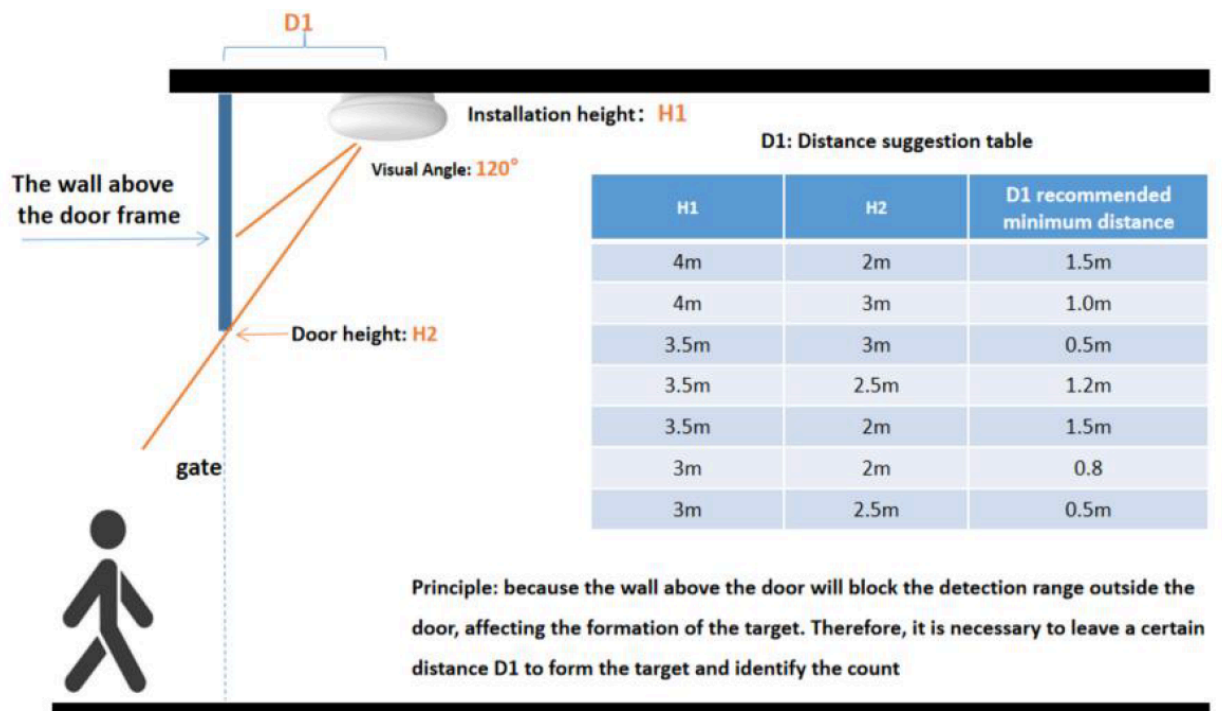
x-forward: The direction of the base arrow/indicator light is in the positive direction of the x-axis. When viewed from the inside towards the outside of the door, it is on the right side of the base.

x-negative: In contrast to the positive direction of the x-axis, when viewed from the inside towards the outside of the door, it is on the left side of the base.

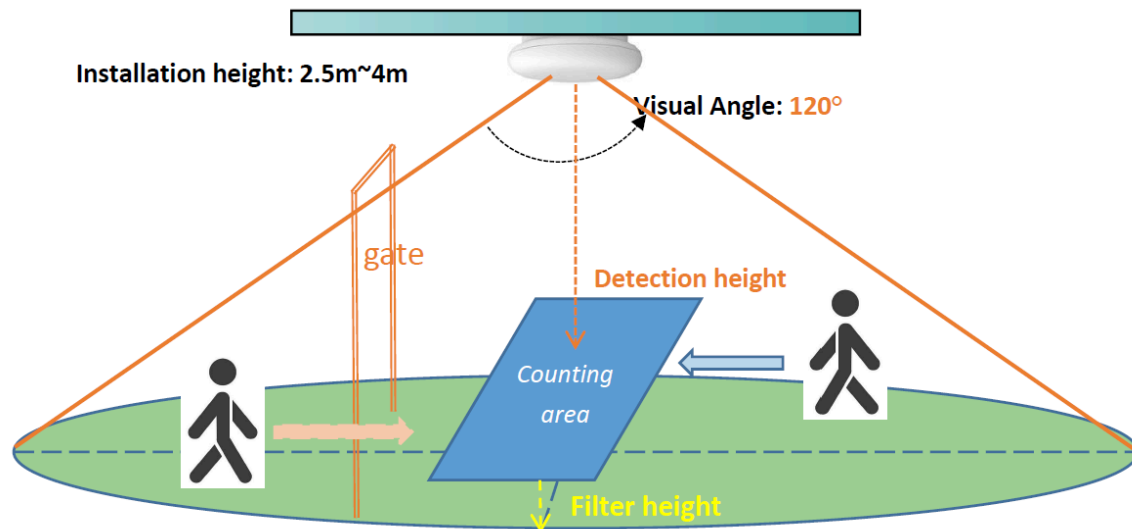
y-forward: When viewed from the inside towards the outside of the door, it is behind the base.

y-negative: In contrast to the positive direction of the y-axis, when viewed from the inside towards the outside of the door, it is in front of the base.

D1: Distance Between the Base and the Door

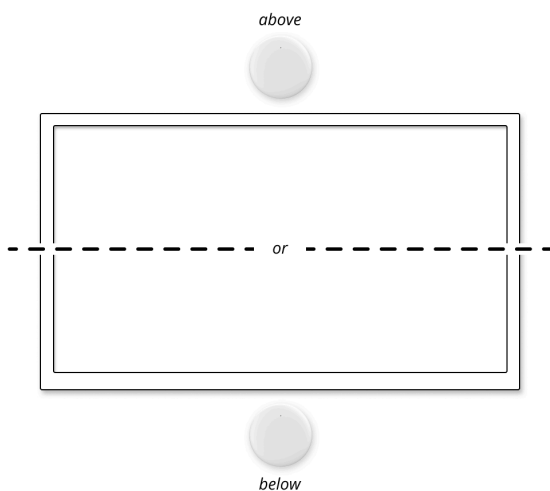


Detection Range



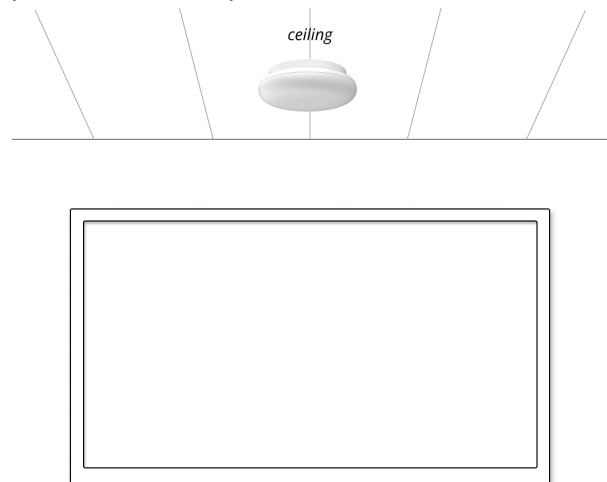
Mounting Methods

Method 1: Above or below of the Display



Point the arrow to the display. Mount the SmartCounters on the same wall, either above or below, the display.

*Method 2: Perpendicular to the Display
(recommended)*



Point the arrow to the display. Mount the SmartCounter on the ceiling above the display. This is the recommended installation method.

Installation Instructions

Accessories:

Four self-tapping screws are standard. The installation is supported by drilling holes and an expansion rubber plug is required. DC adapter cable, DC adapter, and double-sided adhesive accessories can also be selected.

Installation Steps:

STEP 1:

Select the installation location.

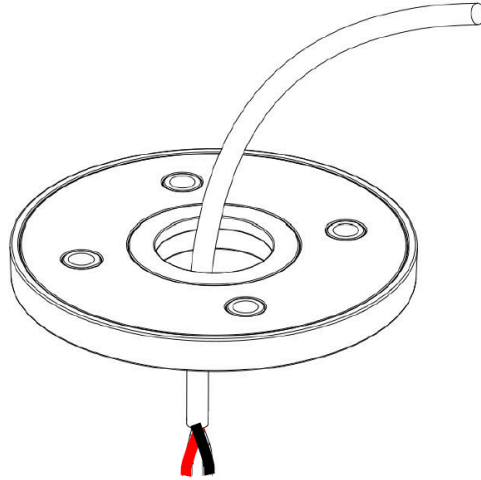
1. Select a base installation position according to deployment instructions. It is recommended to install the center line above the door.
2. Ensure that the power cable can pass through the hole of the base from top to bottom.
3. When installing the base, the indicator arrow on the base is parallel to the wall where the door is located. When viewed from the inside towards the outside of the door, the arrow points to the right.
4. **If you are going to use SmartCounter with the display to count the number of people passing in front of it, ensure that the arrow is pointing towards the display. When installing the base, the indicator arrow on the base should be directed towards the display.**

STEP 2:

There are 2 possible methods to mount the base.

Method 1: Screw Installation (suitable for power supply directly from the ceiling)

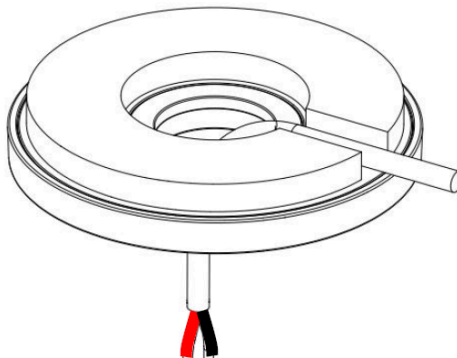
1. Thread the power cable through the central hole of the base
2. Select the base installation position and ensure that the arrow direction is correct. Fasten the base with screws to the position where the holes have been drilled.



Method 2: Use the Installation Kit (applicable to side outlet of power cable)

1. Peel off the double-sided adhesive side and attach it to the back of the base. Thread the DC adapter cable through the central hole of the base.
2. After confirming the installation position and orientation of the base, tear off the other side of the double-sided tape. Paste it on the clean ceiling and press it slightly for 5-10 seconds.

Note: During installation, thread the DC adapter cable through the double-sided adhesive groove.



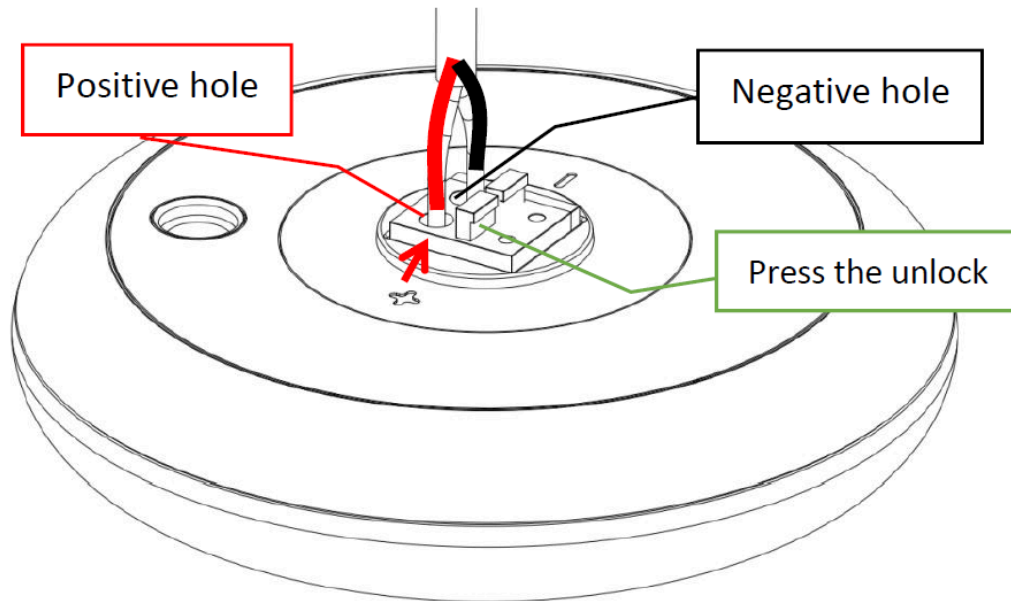
STEP 3:

Connect the power cable.

Insert the positive and negative terminals of the DC power cable correctly into the power terminal holes of the device.

Note: Pay attention to the positive and negative polarity markings (“+” and “-”) on the shell, correspondingly connect the wires, and do not reverse the connection.

Power terminal operation instructions:



Wiring: Insert the exposed terminals of the power cable directly into the corresponding positive and negative wire holes. Pay attention to the positive and negative polarity markings (“+” and “-”) on the shell. You can gently pull it to check. If it cannot be pulled out, it means the installation is correct.

Disconnecting the power cable: Press the latch above the power terminal slightly to pull out the power cable.

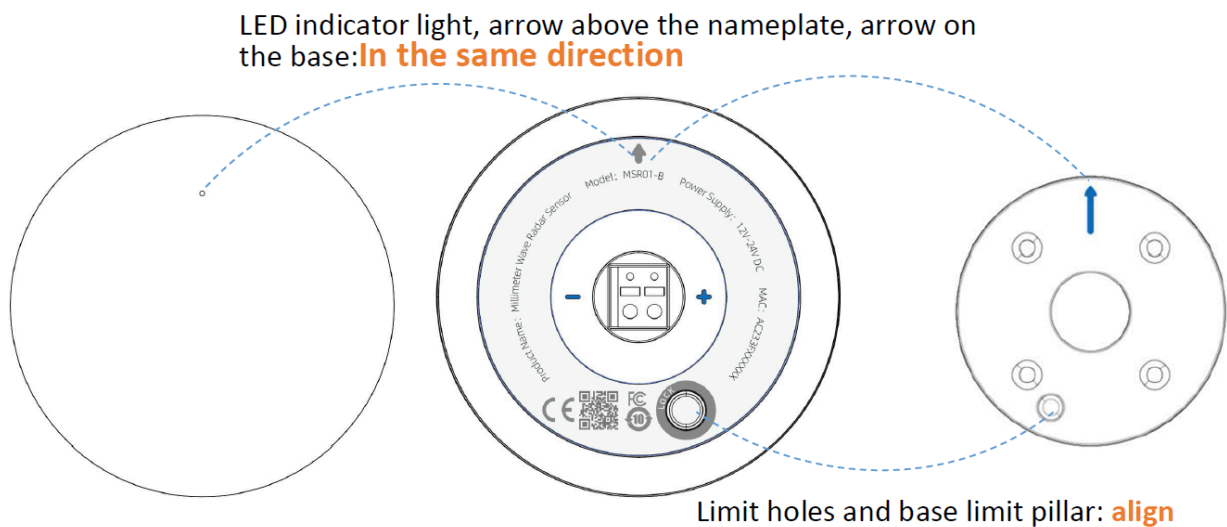
STEP 4:

Product Installation:

Align the device body with the base: Align the arrow on the product nameplate with the arrow on the base. In addition, the LED indicator can help confirm the direction, and the LED indicator is consistent with the direction indicated by the arrow.

After visual alignment, the product is magnetically attached to the mounting base. You can turn the product slightly to check whether the installation is successful. If it cannot be rotated, it means that the installation is in place. If it can be rotated, it needs to be

adjusted: turn slightly to the left or right until the limit column of the bottom shell is stuck into the limit hole and cannot be rotated (with a “click” sound).



STEP 5:

Complete the installation and power-on test.

The installation is complete. You can power on the device to test it. The red light turns on once during power-on.