

Operation Instructions

Make your choice...

LV-810 Face Recognition Sensor



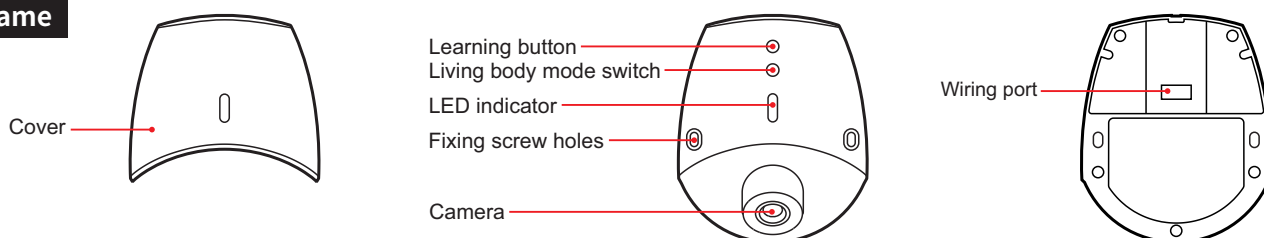
1 Safety Instructions



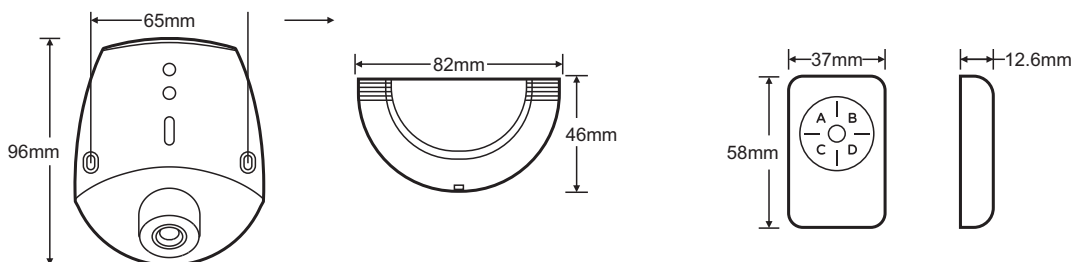
Thanks so much for your purchasing, please read this instruction before using.

2 Product Overview

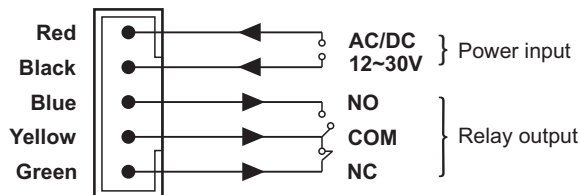
Parts name



Product dimension



3 Wiring Diagram

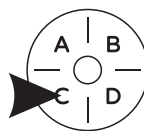
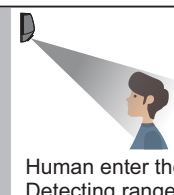
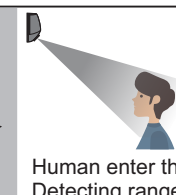
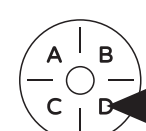
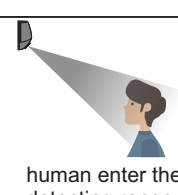


4 Operating Instructions

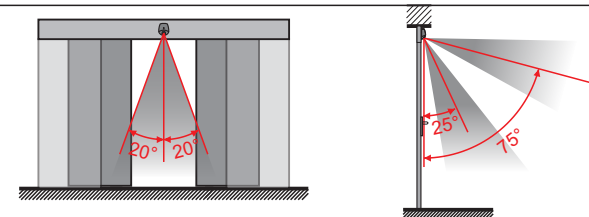
SENSOR OPERATING

Remote matching	 Cover the camera and press the learning button	 "beep" green light flashes	 Press the remote's any key	 Green light for 2s	 Matching success
Delete data	Press and hold the learning button for 3s to delete the remote control data, sensor emits a long "beep" sound, delete successfully. Don't release and continue to hold the learning button for 5 seconds to delete all facial data, sensor emits four "beep" sounds, delete successfully.				
Living body mode	Each time you press the living body mode switch , the mode is switched once. The sensor emits four "beep" sounds and green light is always on, it's living body mode. The sensor emits a long "beep" sound, green light flash, it is normal mode. NOTE: Living body mode with lower recognition speed, and just recognition for real living people(photo and 3D model is invalid); Normal mode with faster recognition speed, is factory default mode.				

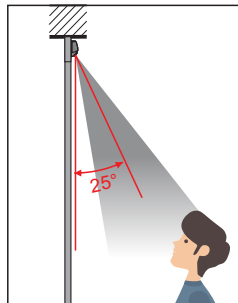
REMOTE CONTROL OPERATING

Key A Open the door	Press the key A once, open the door; Press and hold the key A for 5 seconds until heard a long "beep" sound, door is in the opening state, press the key A again, door close back.						
Key B Working mode	Each time you press the key B, the working mode is switched once, which is respectively low sensitivity mode (one beep sound), high sensitivity mode (two beep sounds) and all face data passed mode (three beep sounds), a total of three working modes can be adjusted(Factory defaulted is high sensitivity mode).						
Key C Add face data	 Press C for 3s	 short beep green light flash	 Human enter the Detecting range	 long beep green light for 2s	 Human enter the Detecting range	 blue light is on	 Add successfully
		During this time, press the key C again, hear one beep sound to exit this add process.					
	NOTE: When adding face data, please ensure sufficient light. If you need to wear a mask(or wear a hat or other covered state) to pass, you can add face data with a mask and without a mask respectively to improve the recognition rate.						
Key D Delete face data	 Press D for 3 seconds	 short beep green light is on	 human enter the detecting range	 blue light / red light	 Delete successfully		
		During this time, press the key D again, hear one beep sound to exit this delete process.			If the same face is repeatedly added N times, when the number of deletions is <N, the blue light means successfully deleted; Red light means delete all.		

5 Recognition range



The Angle of view is 40° and adjustable by 25° to 75° in a vertical direction, can be installed on the left and right sides of the door, or on the top to adapt to different scenarios.



Note:
When installing outdoors, please set the camera angle to the lowest (25°) to avoid backlight. People entering the recognition range need to look up so that the sensor can recognize their faces.

6 Troubleshooting

Failures	Possible reasons	Improvements
Sensor's LED indicators don't work	Sensor don't connect with the power	Check the power connection
Blue light is on, door close(not holding state)	Wiring connection is wrong	Reconnect correctly and repower
Don't recognize in night	Weak imaging function at night	adjust to normal mode, all face data passed mode
Can't recognized when a small part of face is obscured (eg. eyebrows)	Low sensitivity	adjust to high sensitivity mode
Press remote control and no reactions	remote is power is out of power or no paired	replace the remote's battery and paired with the sensor
When power on and green light is always on, don't enter the standby mode	sensor failure	restart sensor, if don't restore, need to replace the sensor

7 Technical parameter

Face storage: 500pcs	LED indicator: when power on, green light is always on for 12s, standby-RED, recognition success-BLUE, function adjust-GREEN
Maximum installation height: 3.5m	Power supply: AC/DC 12-30V
Recognition speed: 200ms(living body 500ms)	Standby current: 145mA
Recognition angle: adjustable by 25°~75° in a vertical direction	Action current: 165mA
Night vision: yes	Dimension: 96(L)x82(W)x46(H)mm
Working environment: temperature -30°C~60°C, humidity 10%~90%RH	

8 Packing List

Sensor *1, Remote control *1, 5-core wire(2.5 meters) *1, Fixing screw bag *1, Operation Instructions*1