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Safety & Security Equipment

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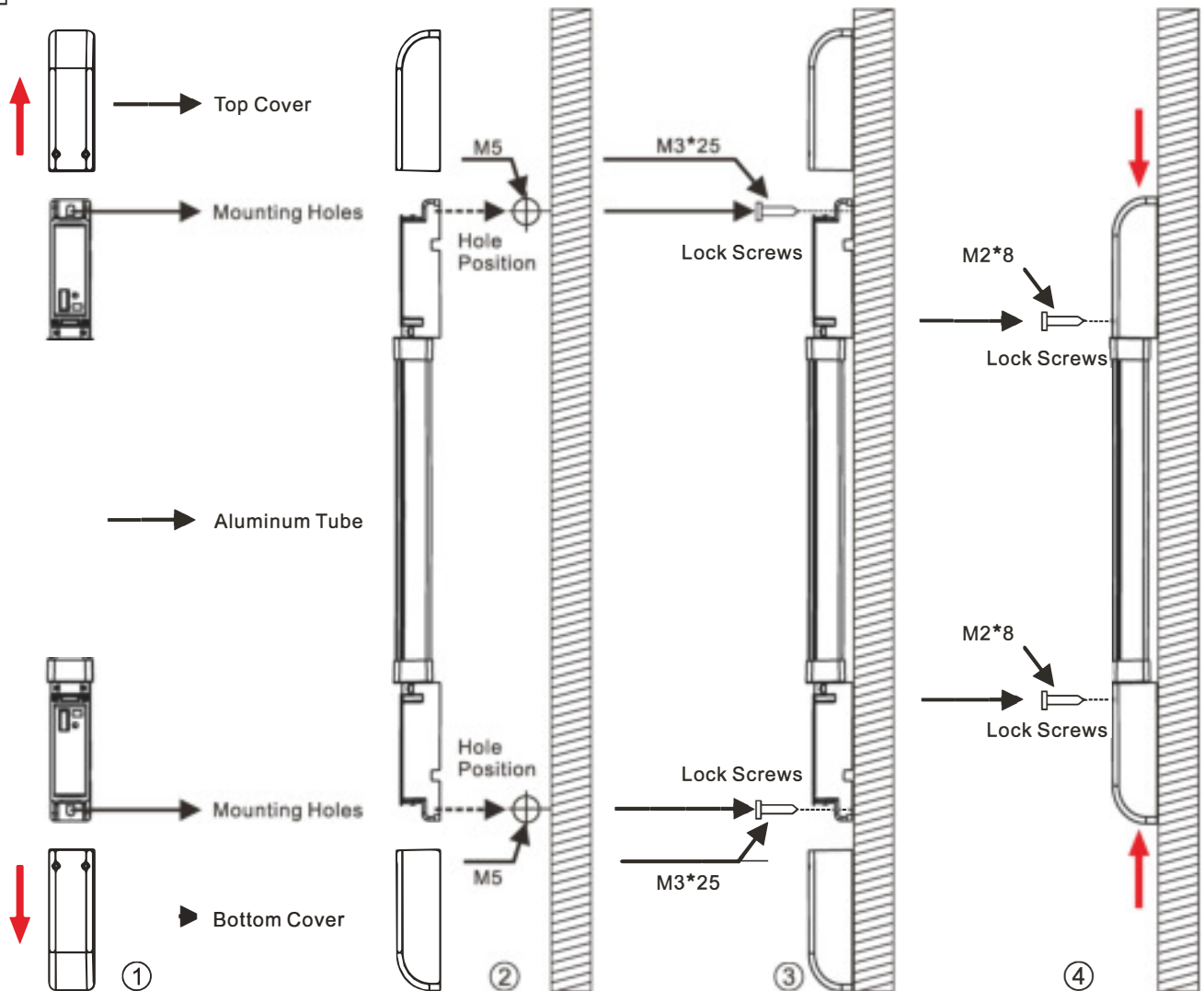
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# SafePass JT Safety Light Curtain

## User Manual (V04/22)



## Curtain Photocell Installation



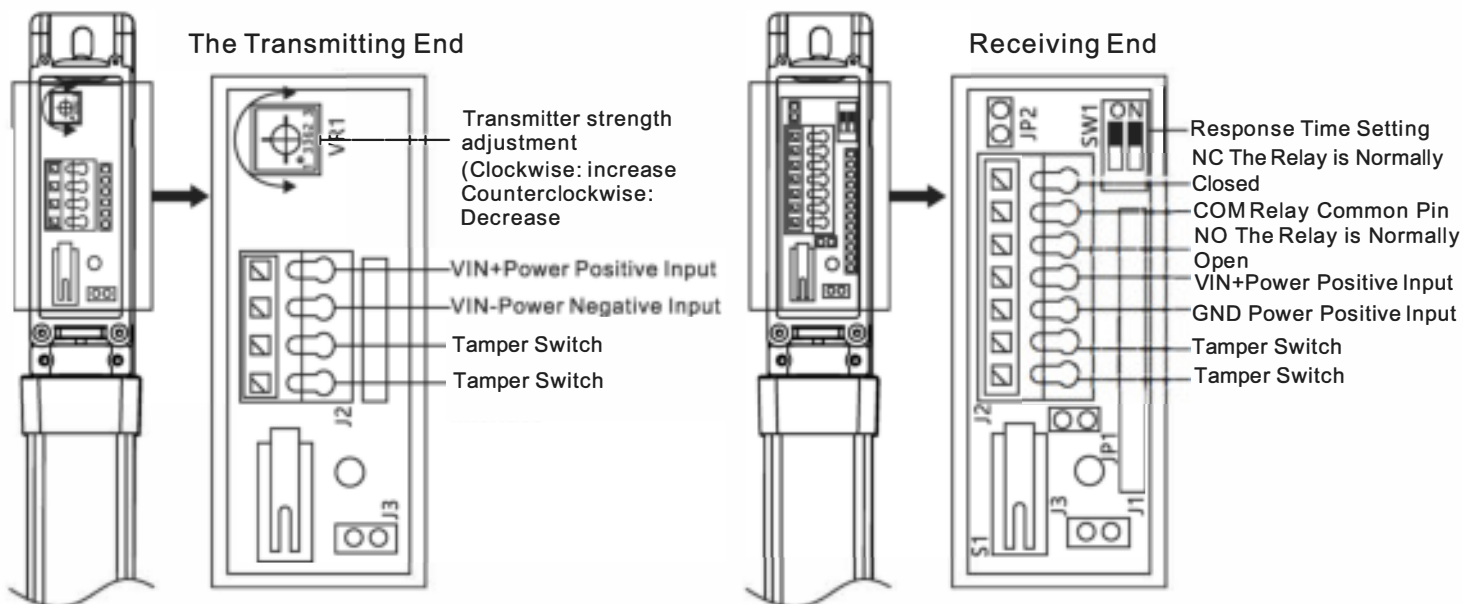
### Instructions:

- ◇ Remove the Top and Bottom Cover, and connect the wires, and lead the thread end from the threaded port;
- ◇ Confirming the installation position, align the transmitter and receiver in parallel, and mark the hole positions;
- ◇ Use a percussion drill to drill holes at the location of the wall marking hole, and knock the wall plug into the fixing hole to fix it with screws;
- ◇ Use M3\*25 screws to lock the transmitter and receiver, and connect the power supply to test. If the angle is deviated, you can rotate the aluminum tube for correction. After debugging, lock the rotating screw;
- ◇ Using M2\*8 Screws lock top cover and bottom cover, and test.

# Product Parameters

Number of Beams	JT 10 = 4   JT 20 = 8
Height	JT10 = 1000mm   JT 20 = 2000mm
Detection Distance	15m
Working Voltage	DC12-24V
Transmitter Operating Current	<50mA
Receiver Operation Current	<50mA
Response Time	50/100/150/200ms adjustable
Trigger Time	Block 1 beam, trigger in 2 seconds, block adjacent 2 beams or more, trigger immediately
Induction Method	Single beam trigger or Multi-beam trigger(can selected)
Working Temperature	-10~60°C
Ambient Temperature	90% Max;(No condensation)
Alarm Output	Wired Output, relayOutput30VDC@2A,125VAC@1A
Output Way(Wired Model)	Wired transmission,(NO/NC)
Rotation Angle	180 degrees horizontal
IP level	IP65
Material	Aluminum Alloy and Polycarbonate

# Wiring Diagram

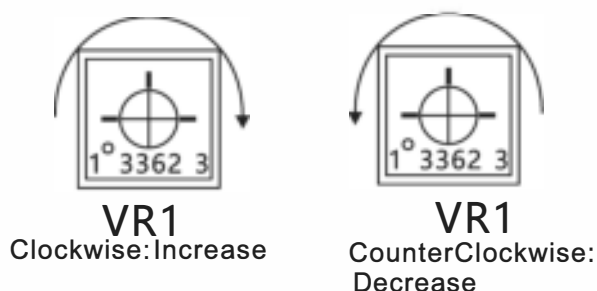


Setting: Transmitter Strength Adjustment

Setting: JP1, JP2, SW1

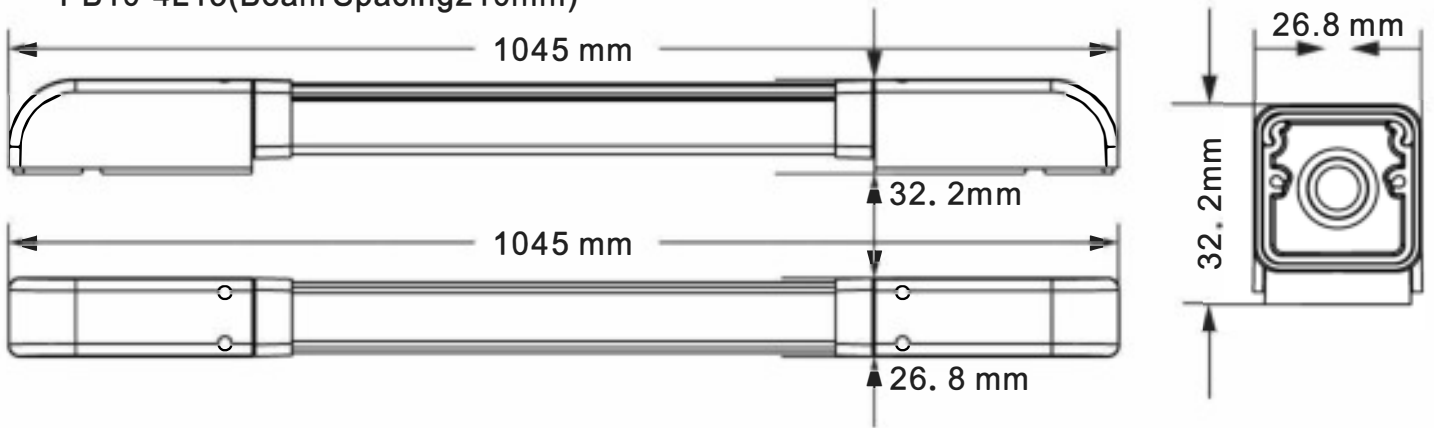
JP1: Block Alarm Function Enable Or Not  
(Short-Circuit, Enable, Don't Short-Circuit; Don't Enable)  
JP2: Single Beam Block Function Enable Or Not  
(Short-Circuit, Enable, Don't Short-Circuit; Don't Enable)

SW1

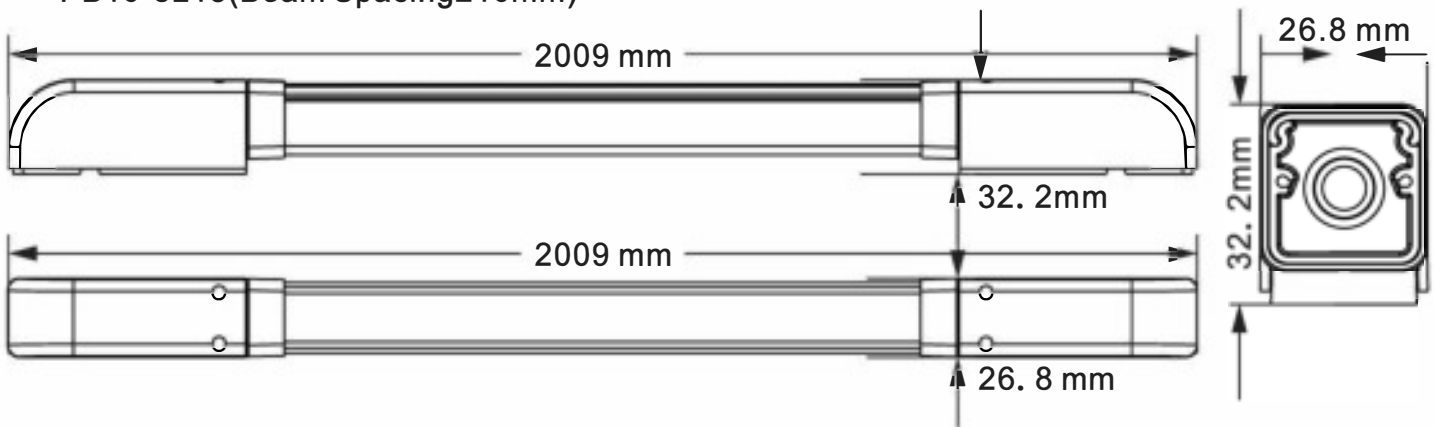


## Product Dimensions

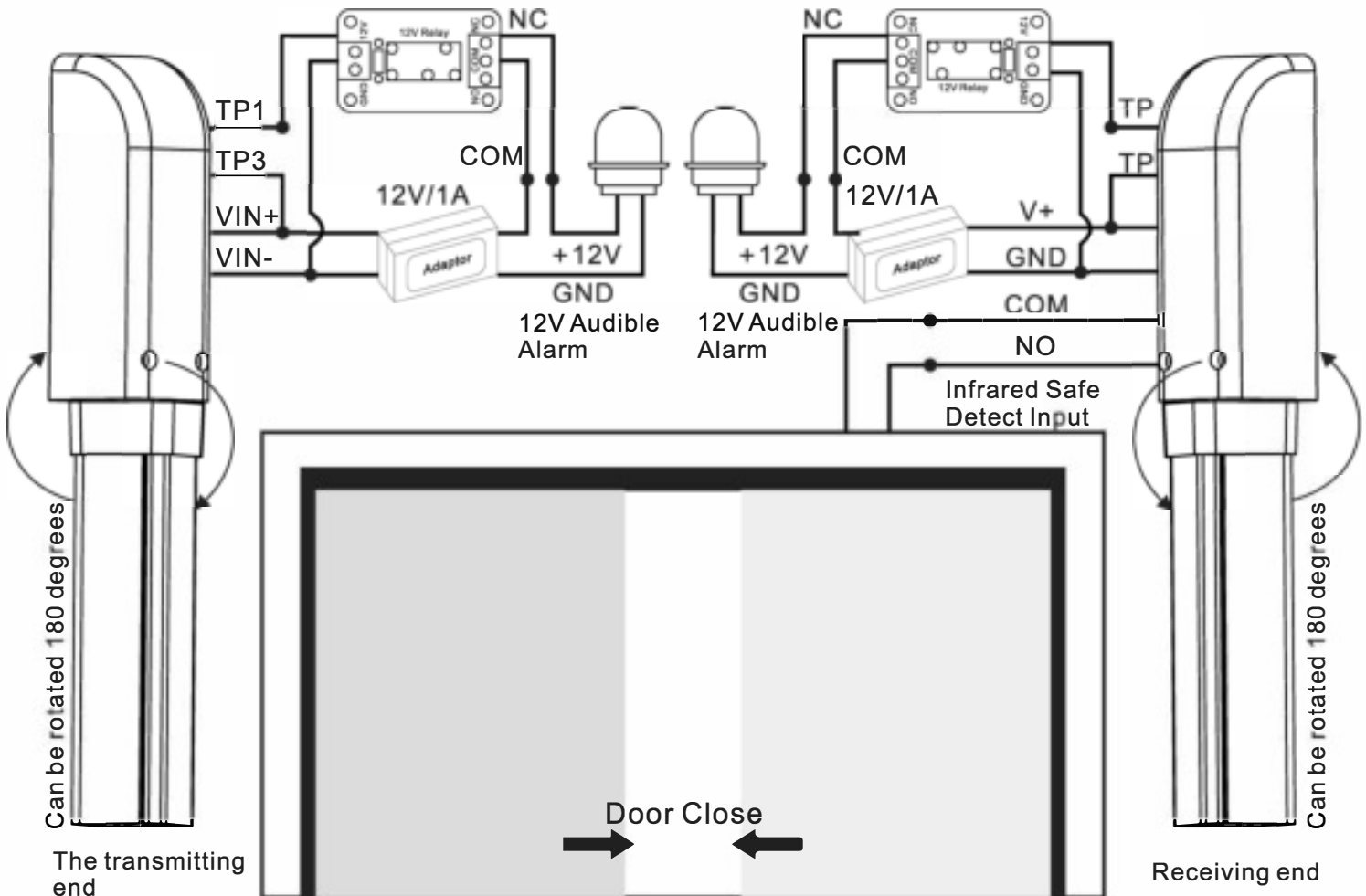
PB10-4L15(Beam Spacing210mm)



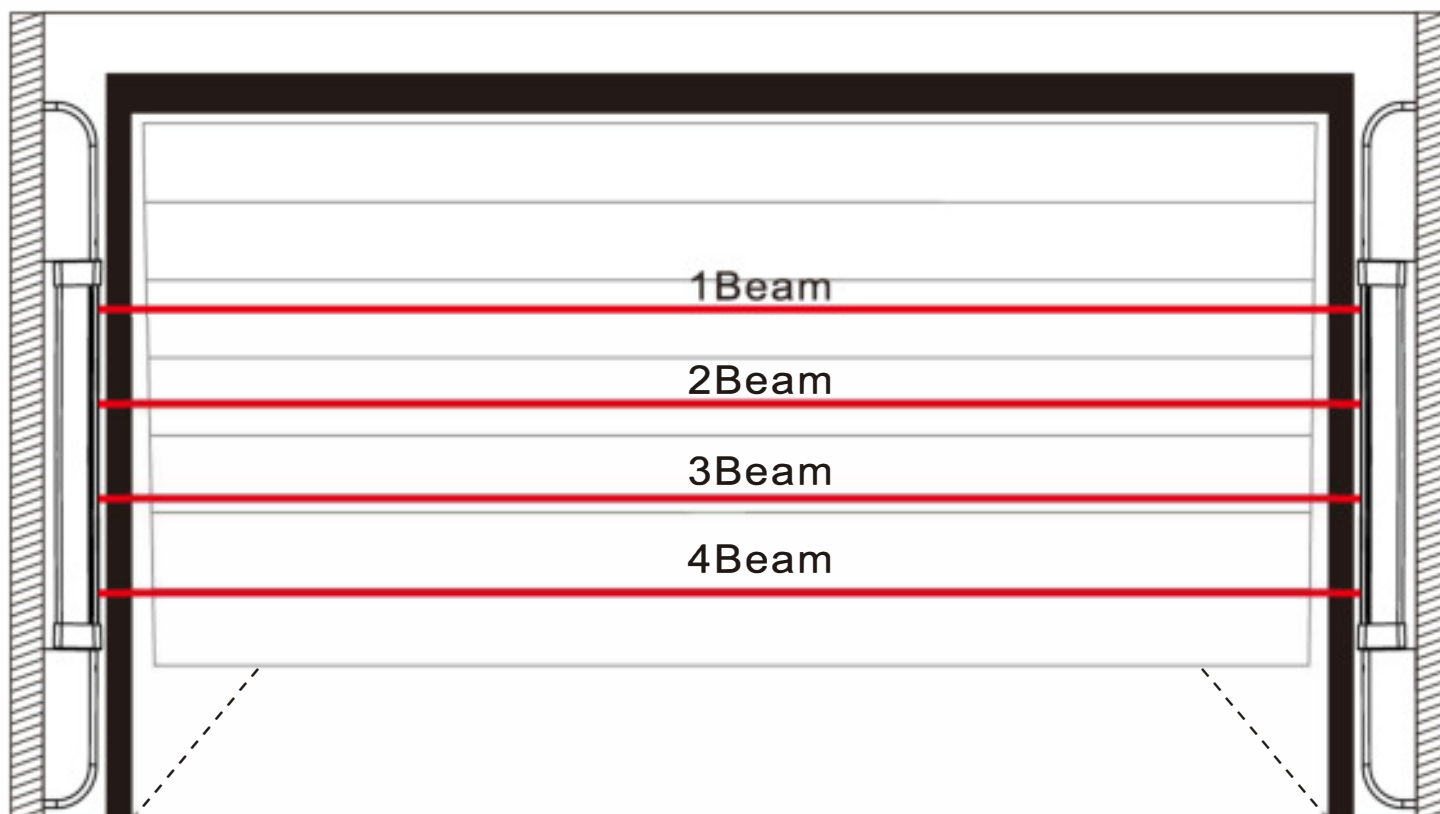
PB10-8L15(Beam Spacing210mm)



## Connection Details



## Application Layout



## Product Operation Status And Troubleshooting

LED Indicator status( connected power)		
launcher	Green LED is on, Transmitter power supply is normal	
Receiver	Warn: Green LED is on, the red light goes out, no sound prompt	
	Alarm: Green LED is on, red LED is red, have a prompt	
Phenomenon	Probable cause	Processing method
Connected power, The LED indicator not bright	1.The positive and negative poles of the power cord are reversed	Check the positive and negative anodes power line, correct way connection the power line
	2.The power voltage abnormality	Measure whether the access voltage is within the range
	3.The power cable is short or disconnected	Check the cable routing
Alarm or false alarm all the time	1.Misalignment of eyes	Rerotate and aim at the eyes
	2.The installation distance is greater than the receiving distance	Re-adjust the installation distance and less than the receiving distance
	3.The installation position is unstable and shakes	Reinstall and fix it, making sure it will not shake
	4.The power voltage not stable	Change the stable power supply
	5.Dip settings and the photocell eyes number are correct	Check the Dip setting, make sure the correct number of the photocell beam eyes
Not alarm	1.Detection object does not block the photocell beam	Detection object cover the two eyes photocell beam or more
	2.The single photocell beam block not enough time photocell beam or more	If use the single photocell beam, the single photocell beam block time need 2 seconds or more time
	3.Reflection interference	Remove reflective object or adjust the eyes direction
	4 The signal line is open circuit	Check the signal line