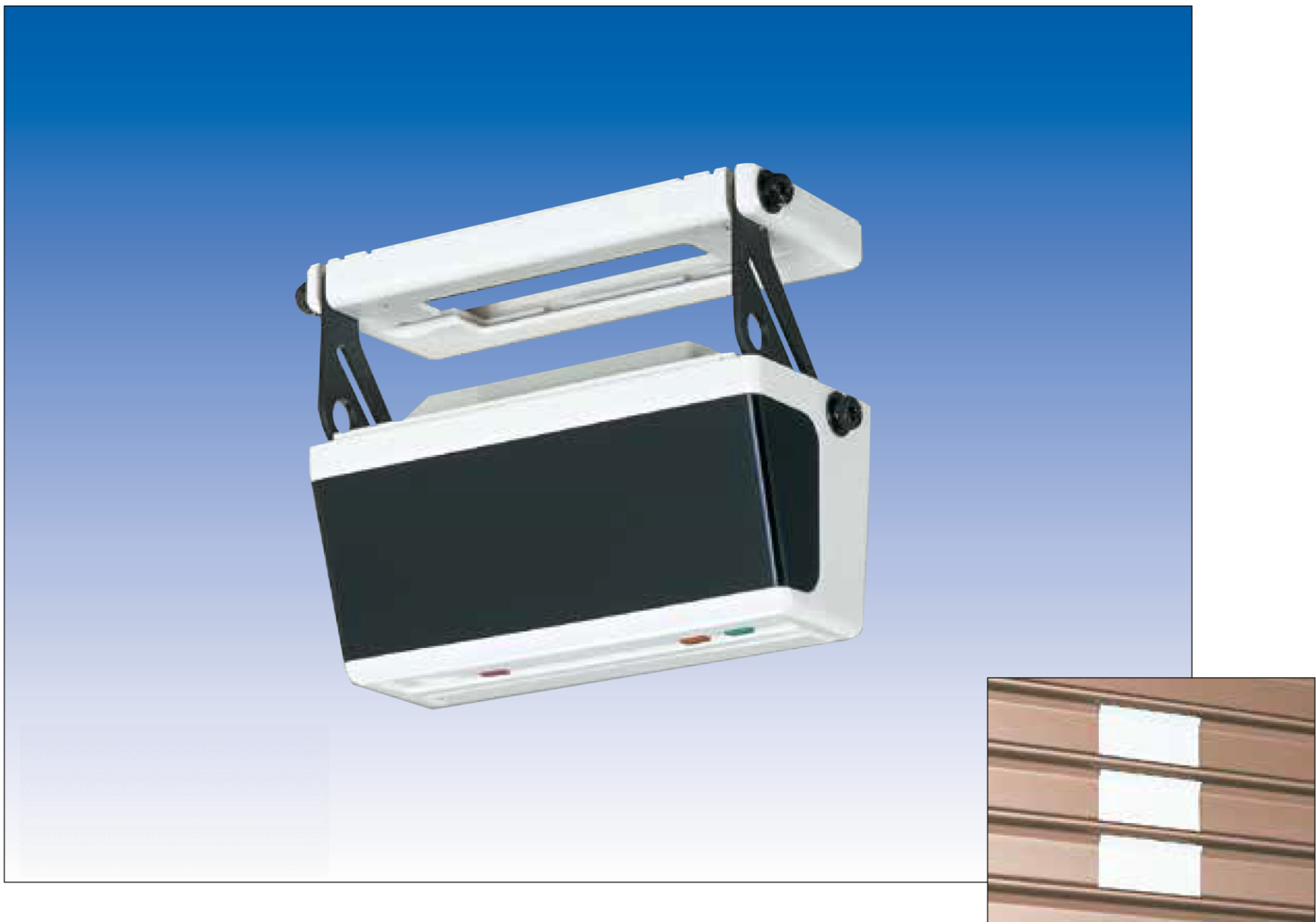


# SHUTTER SENSOR (Near-Infrared Reflection type)

## PR-S3



Reflection sheet (Accessory)

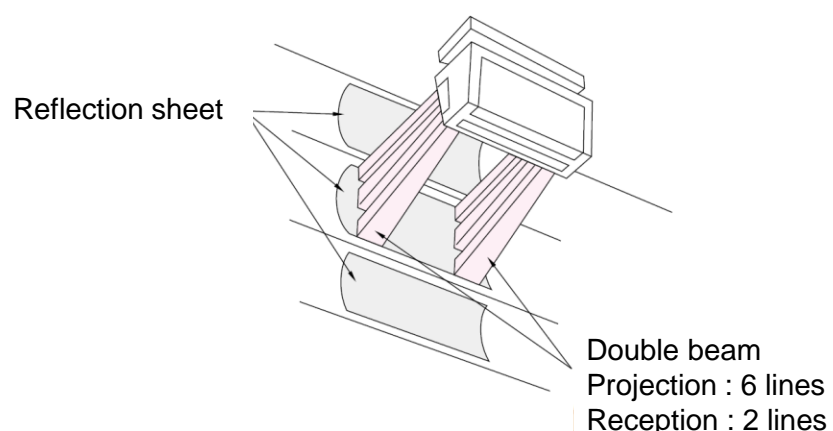
## Alarm memory function built-in near infrared type shutter sensor

### Alarm memory function

Easy to find the alarmed unit even if multiple units are in the same system by the memory indicator lights 47 min after blinks for 3 min at detection.

### Unique double beam

Unique double beam method drastically decreases the possibility of false alarms caused by the shutter rattling, small bugs and reflection light.



### Operation indicator output

Available to check the operation from external even if the sensor installed inside the shutter winding case.

### Decline the effect of radio/electrical noise

Unique circuit and mechanical design reveals high-level noise resistance.

### Flexible installation

Adjustable the distance between the sensor and reflection sheets and the height by the mounting arm.

### Sensitivity indicator

Sensitivity indicator lights on at the low reception level due to the dirt or dust on the reflection sheets.

### Simple and compact design

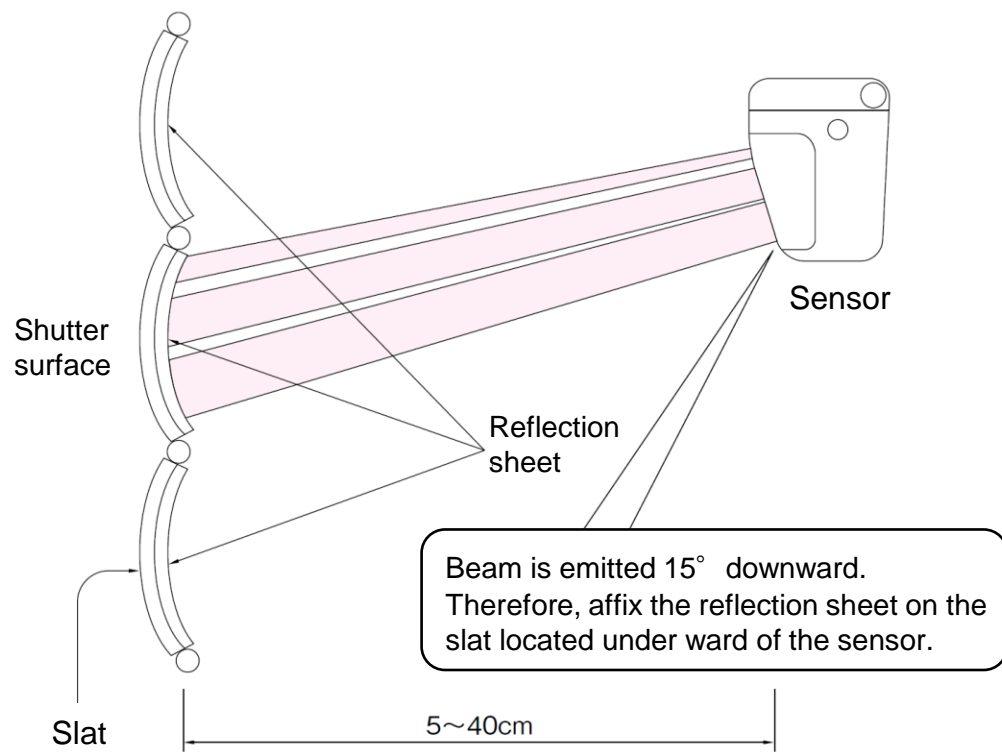
Discreet design match to any properties.

### Convenient additional functions

- Delay circuit built-in to prevent malfunction caused by the shutter rattling
- Operation LED(green) helps operation check  
Armed : ON, Disarmed : OFF
- Secure wide wiring space
- Reflection sheet has high adhesive force, flexibility and weather resistance

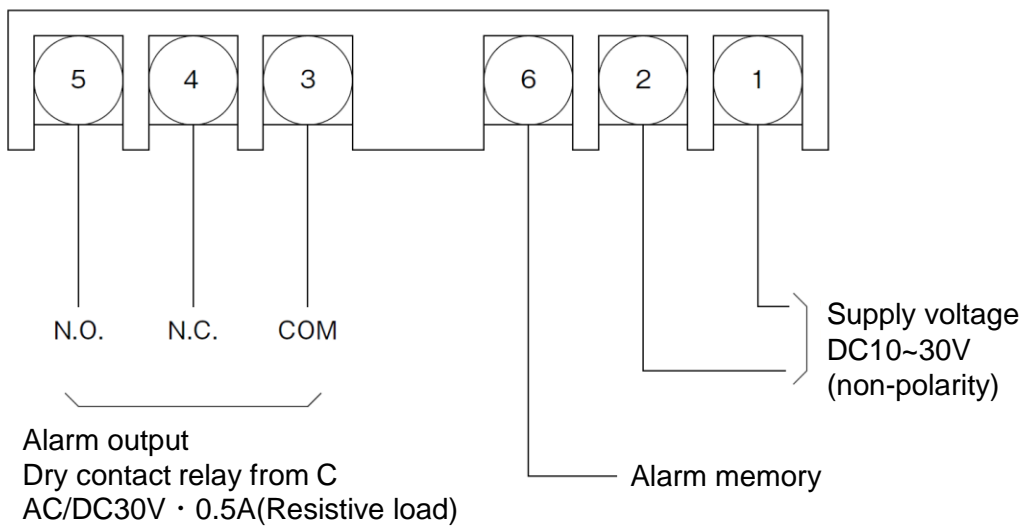
## Installation

Alarm is initiated when the sensor doesn't receive near-infrared beam which is reflected by reflection sheet.



## Wiring

### ■ Terminals

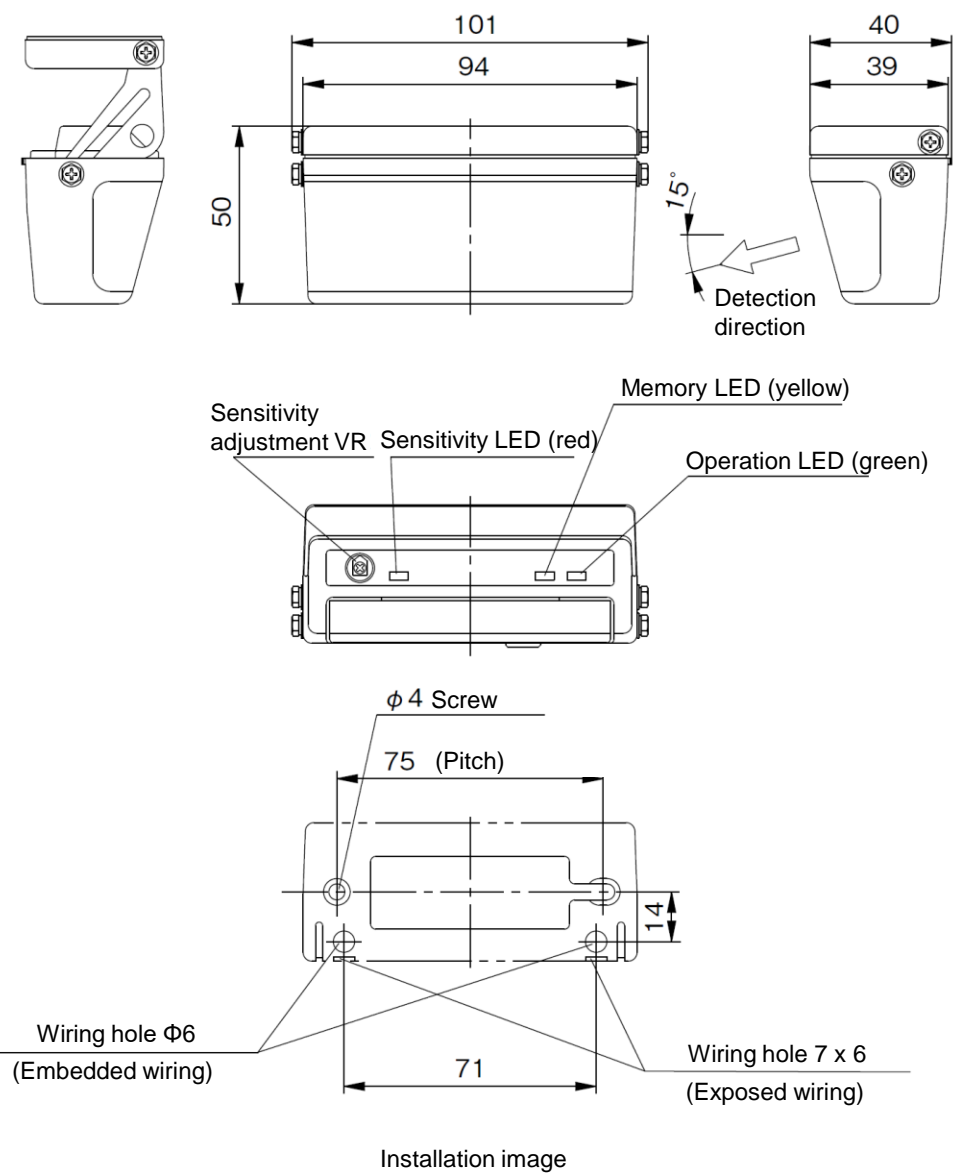


### ■ Wiring distance limit for power line

Wiring size	DC12V	DC24V
0.3mm <sup>2</sup> (φ 0.65mm)	340m	3,000m
0.5mm <sup>2</sup> (φ 0.8mm)	550m	4,700m
0.8mm <sup>2</sup> (φ 1.0mm)	850m	7,700m

\*Divide the wiring distance above by the number of units connected in the same line.  
\*Wiring distance limit for the signal line is 1,000m max. with φ0.65mm

## External Dimensions



### ■ Specification

Model	PR-S3
Detection system	Near infrared(reflection type)/ Double beam
Detection distance	5~40cm
Response time	1~3 sec.
Power supply	DC10~30V(non-polarity)
Current consumption	35mA or less
Alarm output	Dry contact relay output 1c (open/close at alarm) 30V(AC/DC) · 0.5A(resistive load)
Operation LED	Green LED : Lighting at alarm
Sensitivity LED	Red LED : Lighting as the beam reception level attenuated
Memory LED	Yellow LED : 3min blinking 47min lighting and automatically reset
Ambient temperature	-25°C ~ +50°C
Mounting position	Indoor(shutter case, lintel)
Wiring connection	Terminals
Weight	Approx. 115g
Appearance	Case: Resin(white), Window: Resin(black)

## Option (sold separately)

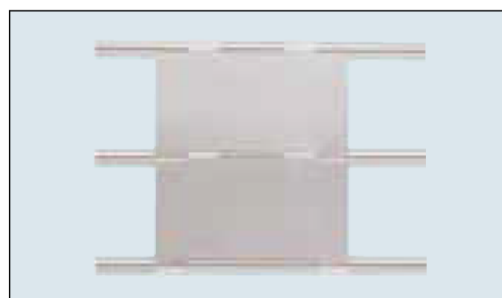
● Attachment  
(BZ-S2)



● Reflection sheet  
(BR-S3) (3pcs)  
(For maintenance)



● Attachment for reflection sheet  
(BF-S3) (2pcs)  
(For pipe shutter)



● Attachment  
(BS-S3)  
(For slide shutter)



\*Pipes are not included