

Rain sensor

# RS-6 rain sensor

- Automatically detects rain volumes of 6 mm or more
- Power supply/amplifier not required

## Applications

- Watering of parks and urban greenbelts
- Watering of greenery within buildings and on rooftops
- Watering of soccer fields and various grounds
- Watering of golf courses
- Watering for prevention of dust pollution
- Others

## Applicable controller series

- RSC-S5
- RSC-G
- RSC-1WP
- RSC-2WP
- RSC-W-2WP

## Overview

- Power supply unit not required
- Automatic recovery depending on the weather situation
- Operating accuracy  $\pm 1$  mm (rain volume)
- Water saving effect

## Precautions

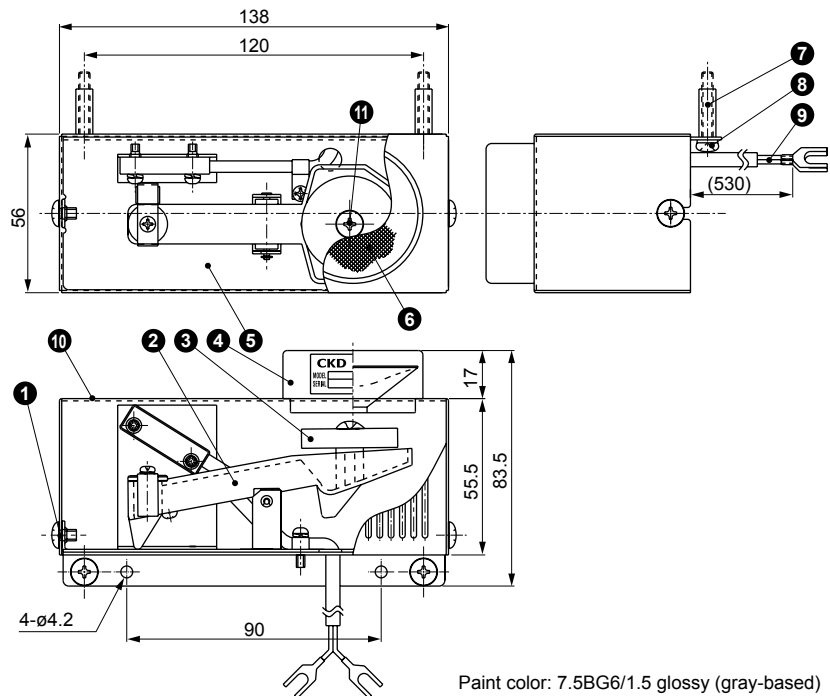
\*1: The felt of No. 3 is a consumable part.

\*2: Make sure that the lead wire is no longer than max. 5 m when extending the lead wire.

## Specifications

Descriptions	RS-6
Operating rain volume	6 mm
Return time	6 to 20 hours (will vary depending on the weather)
Angle of installation	$\pm 2^\circ$ or less both lengthwise and widthwise

## Internal structure and dimensions



Paint color: 7.5BG6/1.5 glossy (gray-based)

No.	Part	Material	Quantity	Remarks	No.	Part name	Material	Qty.	Remarks
1	(+) truss head screws	SUS304	2		7	Stud	SUS304TP	2	Included
2	See-saw body	PBT	1		8	Small spring loaded (+) pan head screws		2	Included
3	Felt	Ester, acrylic, Bell Oasis	1	4 included	9	Lead wire	UL1007 product	2	
4	Funnel	A5056BD	1		10	Cover	SECC-P	1	
5	Chassis	SUS304	1		11	Tapping screw	SUS304TP	1	
6	Wire mesh	SUS304	1						

# Rain sensor mounting procedures

Follow the procedures outlined below when mounting this product on the RSC-S5 solar controller.

## Rain sensor mounting procedures

**1 Mounting**

As the control box is provided with mounting holes, mount the rain sensor using the included studs.

Solar controller RSC-S5

Rain sensor

Stud

Mounting screw

Stud (Included at the bottom surface of the rain sensor)

**2 Lead wire wiring**

Arrange the lead wire of the rain sensor along the stud and further guide the wire along the control box from the hole of the rubber bushing in the bottom surface. Insert the lead wire as far inside the box as possible.

Rubber bushing

**3 Wiring**

Connect the lead wire to the stop terminal within the control box.

Stop

1 2

Black Black

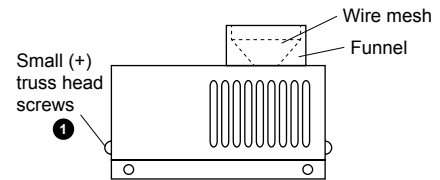
Rubber bushing

The connection can be established with either terminal as there is no polarity.

## Rain sensor inspection outline

### Rain sensor inspection outline

1. Periodically inspect the rain receiving (funnel) section to make sure that there is no foreign matter such as dried leaves.



2. Replace the felt every six months, such as before the start of a season.

( Since dust on the felt will suppress the efficiency of absorption and evapotranspiration of rain water and lower performance )

[How to perform inspections]

By loosening the small (+) truss head screws ① (x 2) as shown in the internal structure diagram, the cover ⑩ can be removed upwards.

If the surface of the felt has become discolored and is black, remove the tapping screw ⑪ and replace the felt with a spare product.

3. If there are no more included felts available, place an order for "felts for the rain sensor". 5 pieces are included in the set.

4. When the rain sensor (RS-6) is connected to the RSC controller, the sensor will function according to automatic and temporary programs, regardless of manual operation.

5. Be sure to use a lead wire length of max. 5 m.