Rain sensor

RS-6 Series

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

Rain sensor mounting procedures

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

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

Overview and Features

● Power supply unit not required
● Automatic recovery depending on the weather situation
● Operating accuracy ±1 mm (rain volume)
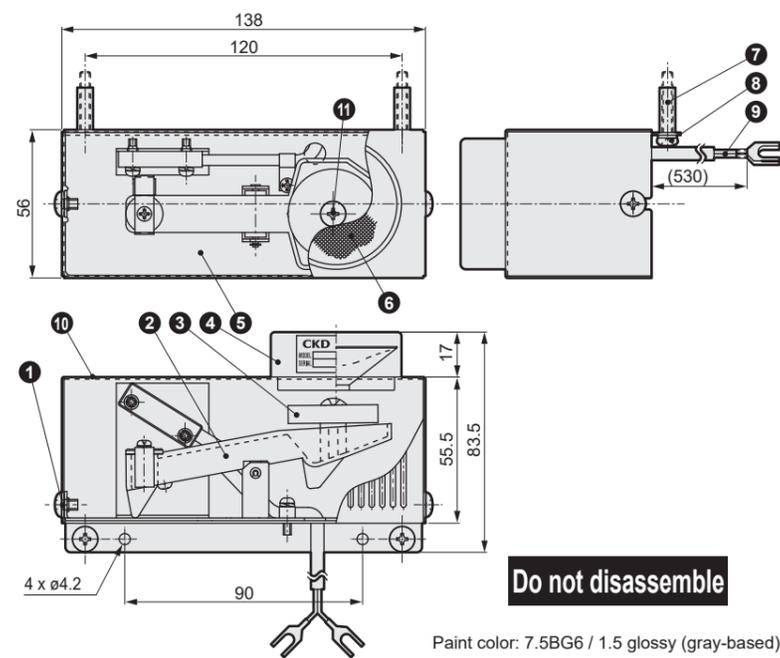● Water saving effect

Model No. Notation

RS - **6**

Model No.

Specifications

Item	RS-6
Operating rain volume	6 mm
Return time	6 to 20 hours (will vary depending on the weather)
Angle of installation	±2° or less both lengthwise and widthwise

Applicable controller series

● RSC-S5 type   P. 4
● RSC-G type   P. 6
● RSC-1WP type   P. 8
● RSC-2WP type   P. 12

Internal structure and dimensions

138
120
56
(530)
17
55.5
83.5
4 x ø4.2
90

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

Do not disassemble

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

⚠ **Safety precautions**

*1: The felt of No. ❸ is a consumable part.
*2: Make sure that the lead wire is no longer than max. 5 m when extending the lead wire.

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.

Rubber bushing

Stop
1   2
Black   Black

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.

Wire mesh
Funnel
(+) Truss machine screw ❶

2. Replace the felt once 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 ❶ two units, as shown in the internal structure diagram, the ❿cover can be removed upwards.

If the surface of the felt has become discolored and is black, remove the ⓫tapping screw 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 a 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.

Fluid control valves
Safety Precautions

Be sure to read this section before use.
Read safety precautions for "Fluid control valves (RJ-013AA)" as well.

Product-specific cautions: Rain sensor   RS-6 series

When using the product

⚠ CAUTION

(1. Mounting and installation)

■ Always read the installation procedures on P. 17 of each section before installation.

(2. Wiring)

■ After wiring the product, make sure that the screws of the terminal block are not loose.

Use / maintenance

⚠ CAUTION

■ Regularly (approximately twice a year) inspect and replace the felt. Refer to P. 17 for an outline of the inspection.

MEMO

For cautions for mounting, installation, adjustment, use, and maintenance, refer to the CKD
Component Product Site (https://www.ckd.co.jp/kiki/en/)→ "Model No."→ Instruction manual for details.

RSC-S5 Controller
RSC-G Controller
RSC-□WP
RS-6 Rain sensor
RSV-K Solenoid valve
GSV2 Solenoid valve
GSV Solenoid valve
RSV-W

RSC-S5 Controller
RSC-G Controller
RSC-□WP
RS-6 Rain sensor
RSV-K Solenoid valve
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RSV-W