



INSTALLATION AND OPERATING INSTRUCTIONS

RD -20°C V2.0

RD -20°C V2.0



This manual is suitable for the following products:

- RD -20°C V2.0 (010826)



Documentnumber: 84400902 B1

Precipitation sensor for
detecting rain, snow
and frost.



Rain / Snow /
Frost

Read the manual before starting the installation.
Failure to follow the instructions may result in defects that are not
covered by the warranty. Errors and technical changes excepted.



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SAFETY INSTRUCTIONS

GENERAL SAFETY INFORMATION

These safety instructions are an integral part of the product and must be read and fully understood before installation, connection, commissioning and operation.

- The RD -20°C sensor is intended exclusively for its intended use: detection of rain, snow (down to -20 °C) and frost for the protection of external shading systems.
- The sensor may only be operated in combination with Vestamatic control units.
- Installation, electrical connection and commissioning may only be carried out by a qualified electrician.
- The device must be inspected for damage before installation. If damage is detected, the device must not be put into operation.
- Any modification or alteration of the device is prohibited and will result in the loss of all warranty and liability claims.
- The operator is responsible for ensuring that these safety instructions are made available to all subsequent users.

CRITICAL SAFETY WARNINGS



ELECTRICAL HAZARDS

WARNING – Even low-voltage circuits can pose a hazard in the event of improper connection or damaged cables. Disconnect the mains voltage completely before installation and before working on the device.



HAZARDS DUE TO UNINTENDED

MOVEMENTS – **WARNING** – Risk of injury due to automatic protective functions.



NOTE

The complete safety instructions can be found at: www.vestamatic.com/safety



SCAN ME

SUPPORT/CONTACT

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TECHNICAL DATA

SHORT DESCRIPTION

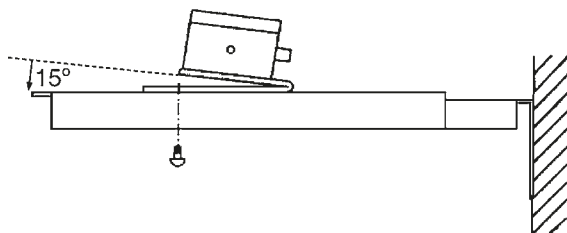
- Precipitation sensor for detecting rain, snow and frost
- Designed to protect outdoor shading systems
- Rain detection at ambient temperatures above +1 °C
- Snow detection at ambient temperatures between +1 °C and -20 °C
- Frost detection at ambient temperatures below +1 °C
- Heated sensor surface for reliable winter operation

PARAMETER	VALUE
Power supply	12-24 VDC (+10%)
Currency consumption at 12VDC / 24VDC:	With heating: 130 mA / 60 mA Without heating: 13 mA / 9 mA
IP class	IP 65
recommended power cross-section	4 × 0,5 mm ²
Maximum cable length: (sensor to control unit)	100 m
Operating temperature	-30 °C bis +70 °C
Dimensions (L × W × H)	80 × 82 × 58 mm
Conformität	

MOUNTING / INSTALLATION

- For mounting, we recommend the mounting bracket made of aluminum, Art. No. 01100510.
- Install the sensor so that the sensor surface faces the weather and is not shaded by objects such as trees, awnings, etc.
- Splash water may cause short delays or brief switching on/off.
- The installation angle should be approx. 15° to ensure faster runoff of larger water droplets.
- The connection must be carried out from below.
- The pre-mounted bracket allows installation of the rain sensor on horizontal surfaces or on a mounting arm.

MOUNTING / INSTALLATION

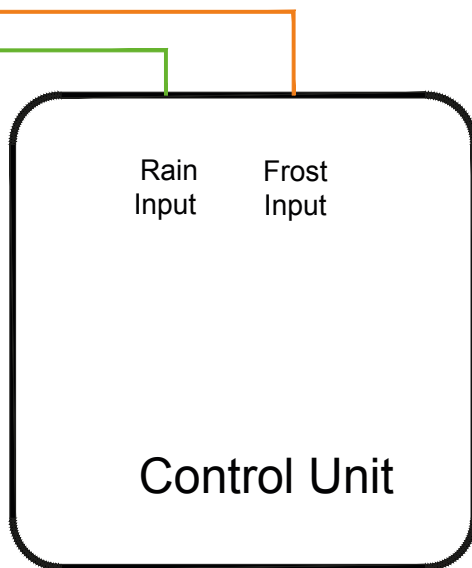
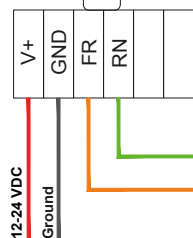
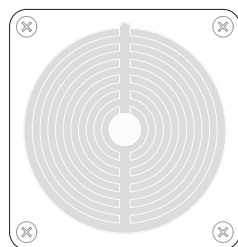


INSTRUCTIONS FOR QUALIFIED ELECTRICIANS

- 1. Disconnect the supply voltage of the control unit.
- 2. Mount the rain sensor in a suitable position.
- 3. Remove the housing cover of the rain sensor.
- 4. Connect the connection cables at the rain sensor and at the control unit according to the wiring diagram of the control system.
- 5. Refit the housing cover.
- 6. Switch on the supply voltage of the control unit.
The green LED in the front cover lights up.
- 7. Check the proper function of the sensor.

WIRING DIAGRAM

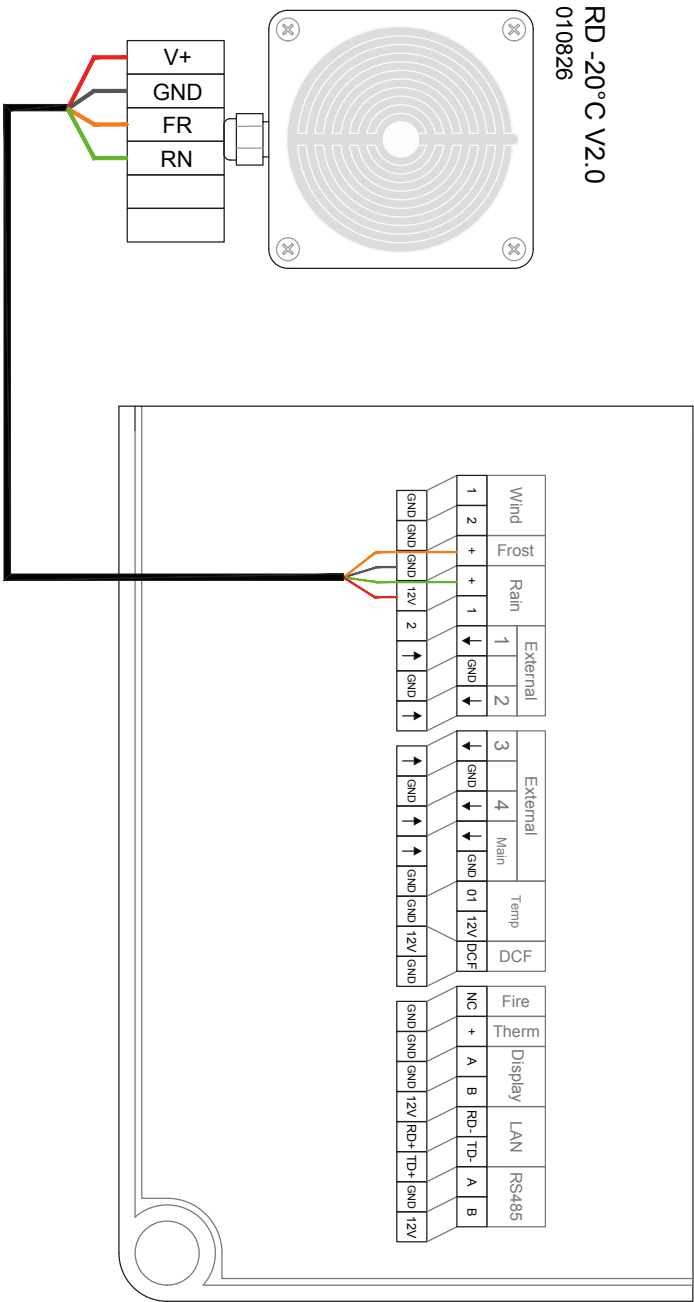
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- The RD -20°C V2.0 rain sensor can be connected to the following central control systems:
WISO Time, WISO Quattro, UNI 12 / UNI 22, Touch Center 2C/4C, VBC.
Further wiring diagrams will follow:

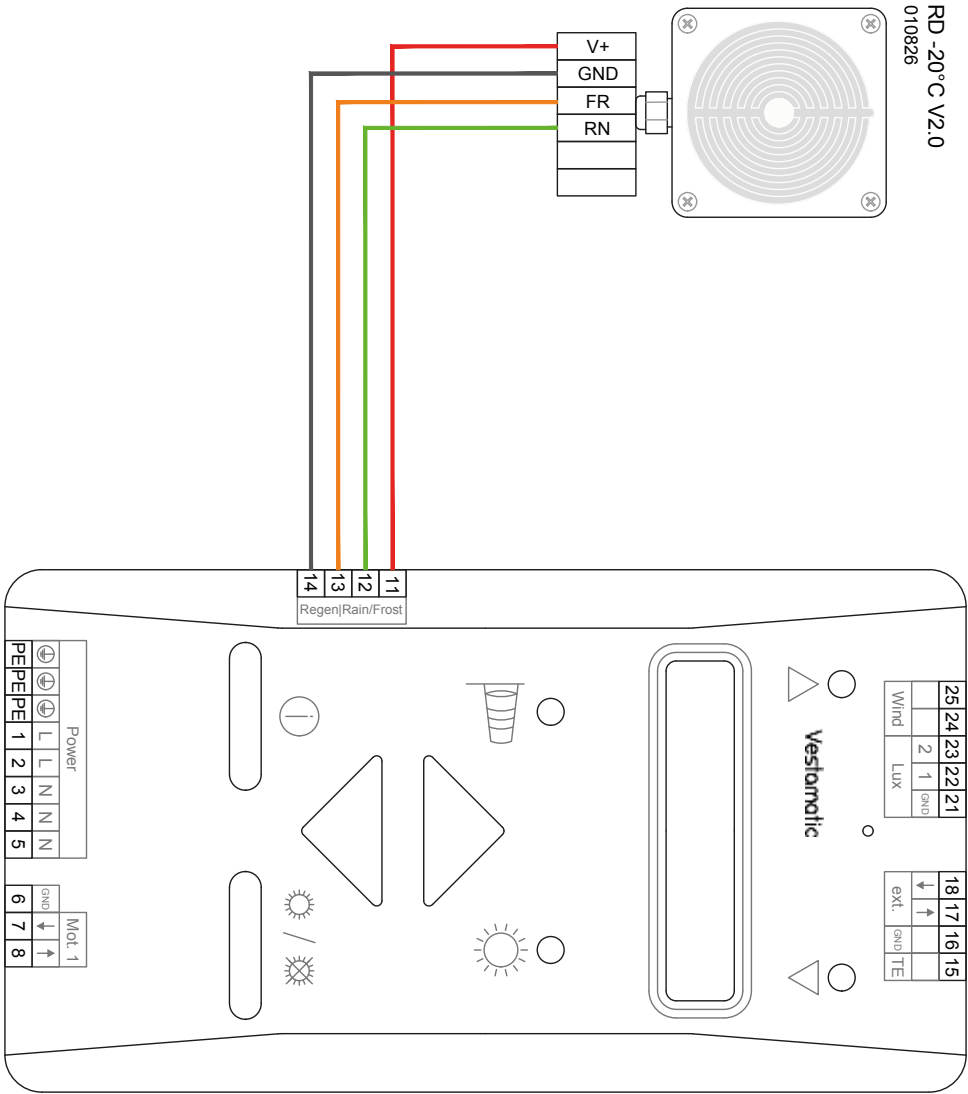
WIRING DIAGRAM

WIRING OPTION FOR BREL VESTAMATIC GROUP TOUCH CENTRE 4C/2C



WIRING DIAGRAM

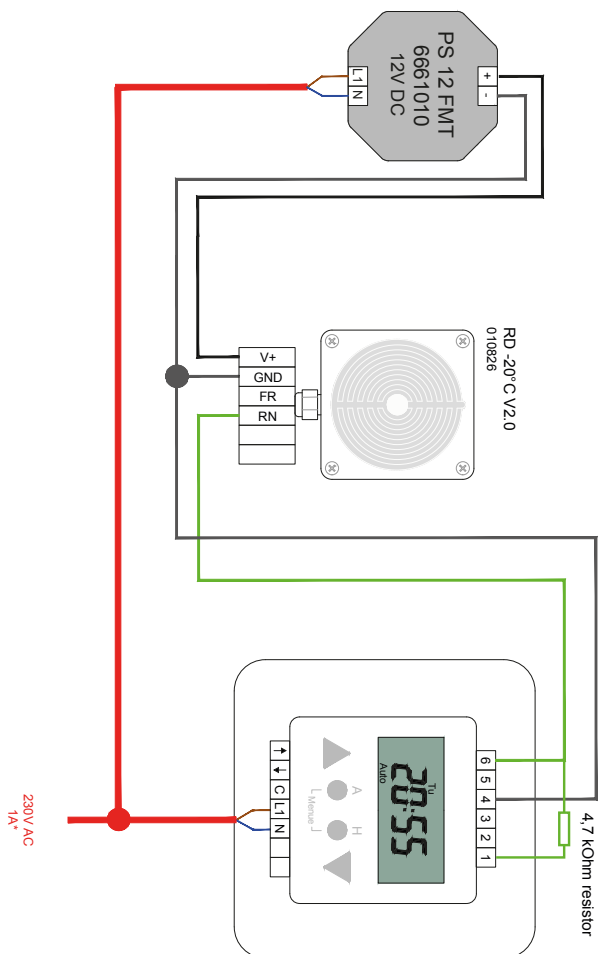
WIRING OPTION FOR BREL VESTAMATIC GROUP UNI 12/22



WIRING DIAGRAM

WIRING OPTION FOR BREL VESTAMATIC GROUP WISO QUATTRO / WISO TIME

Only 12VDC power supply allowed!



SENSITIVITY ADJUSTMENT



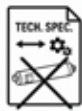
The sensitivity of the sensor can be adjusted continuously using the internal potentiometer.

Default setting: Medium

WARRANTY / MAINTENANCE

Principally, the General Terms and Conditions of the manufacturer, Vestamatic International GmbH apply. The terms and conditions are part of the sales documents and handed over to the operator upon delivery. Liability claims for personal or material damages are excluded when they can be attributed to one or more of the following causes:

- Unintended use of the product.
- Opening of the product by the customer.
- Improper installation, commissioning, or operation of the product.
- Non-compliance with the specifications.
- Non-observance of the safety provisions and instructions of the Operating Instructions.
- Operation of the product with improperly installed connections, defective safety devices or improperly installed safeguards.
- Modifications to the product.



MAINTENANCE

The product is maintenance-free.