The Weather Unit WZ/S 1.1 is used for recording weather data – primarily for domestic purposes. The Weather Sensor WES/A 1.1 is connected to the WZ/S 1.1. The connection to the bus is established via the Bus Connection Terminal at the front of the device. The device is ready for operation after connecting the mains voltage of 115…230 V AC and the bus voltage. The Weather Unit WZ/S 1.1 is parameterised via ETS2 V1.2a or higher.

Note: Facade control is not possible with the WZ/S 1.1. Please use our Weather Unit WS/S for this purpose. The WES/A sensor combined with the WZ/S is suitable for small to mid-sized buildings. The façade structure, wind conditions and special local influences should also be considered with these buildings.

### Technical Data

<table>
<thead>
<tr>
<th>Power supply</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>– Bus voltage</td>
<td>21...32 V DC</td>
</tr>
<tr>
<td>– Current consumption, bus</td>
<td>&lt; 10 mA</td>
</tr>
<tr>
<td>– Mains voltage U_s</td>
<td>115...230 V AC (+ 10 % – 15 %), 50/60 Hz</td>
</tr>
<tr>
<td>– Power consumption</td>
<td>Max. 11 W, at 230 V AC</td>
</tr>
<tr>
<td>– Current consumption, mains</td>
<td>80/40 mA, at 115/230 V AC</td>
</tr>
<tr>
<td>– Power loss</td>
<td>Max. 3 W, at 230 V AC</td>
</tr>
</tbody>
</table>

**Connections**

- KNX
- Mains voltage
- 1 ( 0 V potential)
- 2 (24 V potential)
- A (RS 485)
- B (RS 485)

- Via Bus Connection Terminal, screwless
- 2 screw terminal
- Power supply
- Power supply
- serial Data communication
- serial Data communication

**Connection terminals**

- Screw terminals
- Tightening torque

- 0.2 ... 2.5 mm² finely stranded
- 0.2 ... 4.0 mm² single-core
- Max. 0.6 Nm

**Cable length / cross-section**

- Between Weather Unit and Weather Sensor Max. 100 m

**Operating and display**

- P-YCYM or J-Y(ST)Y 2 x 2 x 0.8

**Elements**

- Programming-LED
- Programming button

- for assignment of the physical address
- for assignment of the physical address

**Enclosure**

- IP 20 to DIN EN 60 529

**Enclosure safety class**

- II to DIN EN 61 140

**Temperature range**

- Operation – 5 °C...+ 45 °C
- Storage – 25 °C...+ 55 °C
- Transport – 25 °C...+ 70 °C

**Design**

- Modular DIN-Rail Component (MDRC)
- Dimensions 90 x 72 x 64.5 mm (H x W x D)
- Mounting width in space units 4, 4 modules at 18 mm
- Mounting depth 64.5 mm

**Installation**

- On 35 mm mounting rail to DIN EN 60 715

**Mounting position**

- as required

**Weight**

- 0.2 kg

**Housing/colour**

- Plastic housing, grey

**Approvals**

- KNX to EN 50 090-1, -2 Certification

- in accordance with the EMC guideline and low voltage guideline
Note

The programming requires EIB Software Tool ETS2 V1.2a or higher. If ETS3 is used a “.VD3” type file must be imported. The application program is available in the ETS2 / ETS3 at ABB/input/Weather Unit 1-fold.

Detailed information about the application can be found in the product manual for the “Weather Unit/Weather Sensor WZ/S 1.1/WES/A 1.1”. This manual can be free downloaded under www.abb.de/eib.
Wiring diagram
“Weather Unit”

1 Label carrier
2 Programming button
3 Programming LED
4 Bus Connection Terminal
5 Mains power supply
6 Weather Sensor connection

Dimension drawing
“Weather Unit”