



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 Fascade 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

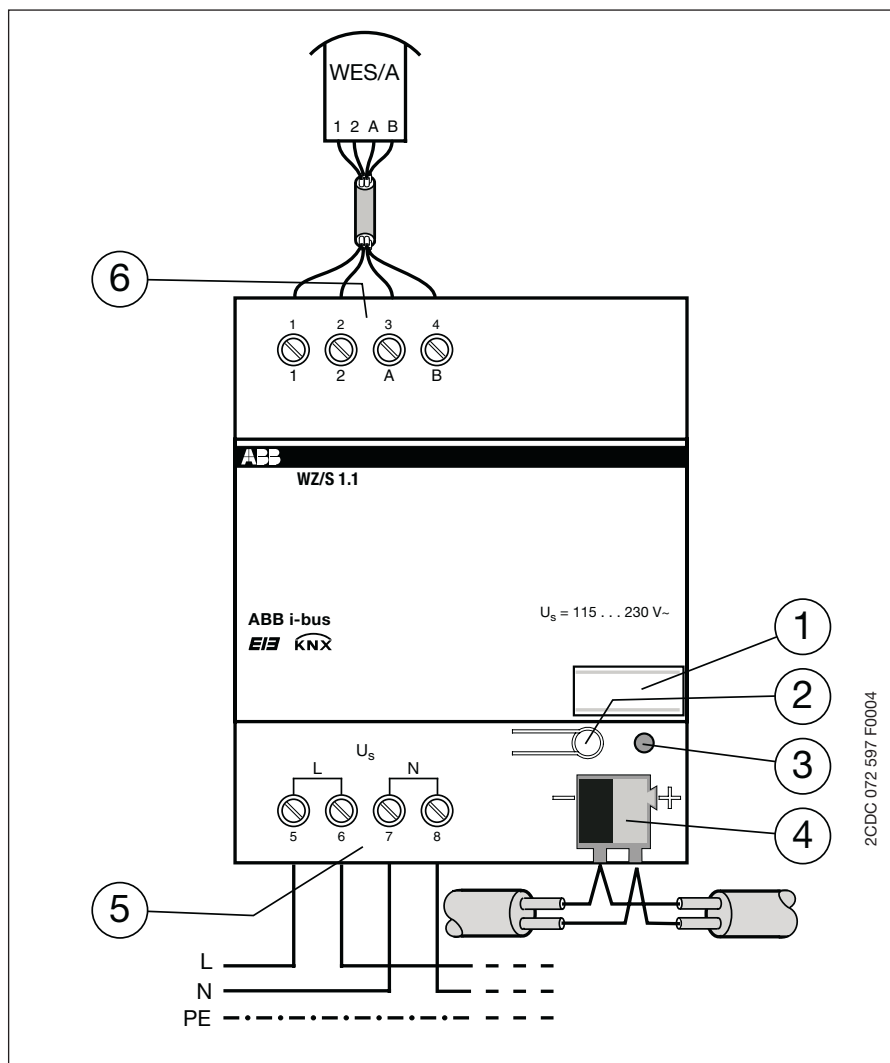
Power supply	<ul style="list-style-type: none"> – Bus voltage – Current consumption, bus – Mains voltage U_s – Power consumption – Current consumption, mains – Power loss 	21 ... 32 V DC < 10 mA 115 ... 230 V AC (+ 10 % – 15 %), 50/60 Hz Max. 11 W, at 230 V AC 80/40 mA, at 115/230 V AC Max. 3 W, at 230 V AC
Connections	<ul style="list-style-type: none"> – 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	<ul style="list-style-type: none"> – Screw terminals – Tightening torque 	0.2 ... 2.5 mm ² finely stranded 0.2 ... 4.0 mm ² 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	<ul style="list-style-type: none"> – 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	<ul style="list-style-type: none"> – Operation – Storage – Transport 	– 5 °C...+ 45 °C – 25 °C...+ 55 °C – 25 °C...+ 70 °C
Design	<ul style="list-style-type: none"> – Modular DIN-Rail Component (MDRC) – Dimensions – Mounting width in space units – Mounting depth 	Modular installation device, ProM 90 x 72 x 64.5 mm (H x W x D) 4, 4 modules at 18 mm 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
CE mark	– in accordance with the EMC guideline and low voltage guideline	

Application program	Max. number of communication objects	Max. number of group addresses	Max. number of associations
Sensor Data/1	78	100	100

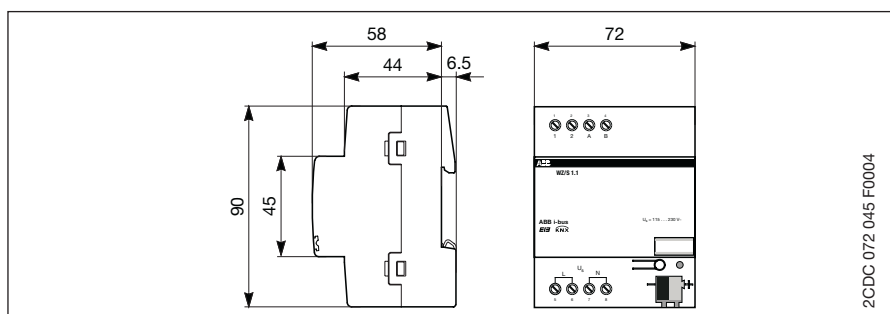
Note

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

Dimension drawing
"Weather Unit"

Notes

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