

ABB i-bus<sup>®</sup> EIB / KNX

**Weather Unit WZ/S 1.1**  
**Weather Sensor WES/A 1.1**



**ABB**



- Weather Unit, 1-fold, MDRC (4 TE)
- Auxiliary voltage and data interface for sensor supply
- Programming-button/LED
- Bus connection terminal
- Power supply

**3x Brightness**  
(0...99.000 Lux)

**1x Temperature**  
(-30...+50 C°)

**1x Twilight**  
(0...999 Lux)

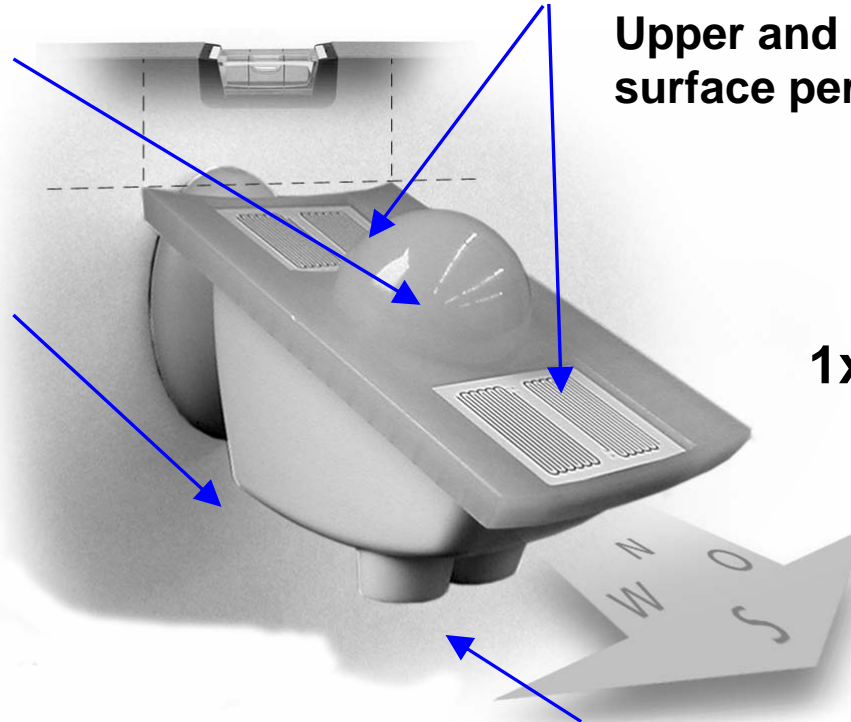
**1x Day / Night**  
Night = below 10 Lux  
Day = over 10 Lux

**1x Rain**

Upper and lower sensor  
surface permanently heats

**1x Radio controlled**  
(DCF77)  
(Date, time)

**1x Wind (automatically heated)**  
(0...24 m/s)



- Registration and processing of 9 different data (3 x brightness, rain, wind, temperature, twilight, day/night, date/time (DCF radio receiver))
- Integrated power supply to provide the Weather Sensor (over 115...230 V AC)
- 4 wires cable (max. 100 m) line type between Weather Unit and Weather Sensor PYCYM (2x2x0.8mm) or J-Y (ST) Y (2x2x0.8mm)
- Permutation of the connections does not lead to the destruction of the devices

- Measured value visible as  
1-bit [0/1] or  
2-byte [floating point]
- No individual adjustment of sensors necessary
- Threshold value:  
2 each input with upper and lower limit /  
threshold value modified via the bus
- Logic AND / OR, 4 inputs, invertible
- Memory with 24 values / storage each takes place in  
the FiFo principle (ring puffer)

- Minimum duration underflow and over range adjustable  
(If the send communication reverts during the minimum duration, no telegrams are sent)
- Offset temperature +/- 5 °C

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