



ABB i-bus® EIB / KNX

Weather Station WS/S 4.1



ABB



- Weather Station, 4-fold, MDRC (4 MW)
- Auxiliary voltage for sensor supply
- Sensor inputs
- Programming-button/LED
- Bus connection terminal
- Power supply

- Registration and processing of 4 different analogue input signals
- Integrated power supply to provide the sensors, 24 V DC / max. 300 mA (over 115...230 V AC)
- Connection of any sensor with 0-1 V, 0-5 V, 0-10 V, 1-10 V, 0-20 mA, 4-20 mA, 0-1000 Ohm, PT 100 2-wire technology and potential free contact
- Twilight, humidity, air pressure, pyranometer, rain meter, rain, temperature PT 100, temperature general, wind speed, wind direction, potential free contact, any other sensor

- Free adjustable signals from sensor
- Measured value visible as
 - 1-bit [0/1], 1-byte [0...+255], [-128...+127],
 - 2-byte [0...+65,535], [-32,768...+32,767],
 - 2-byte [floating point], 4-byte [IEEE-floating point]
- Filtering within 4, 16 or 64 measurements
- Threshold value:
 - 2 each inputs with upper and lower limit / threshold value modified via the bus
- Comparator / arithmetic / arithmetic mean value
- Logic AND / OR, 4 inputs, invertible

- Minimum duration underflow and over range adjustable
(If the send communication reverts during the minimum duration, no telegrams are sent)
- Offset temperature +/- 5°C
- Line fault compensation at PT 100-resistance via cable length or via cable resistance

ABB