Intelligent Building Control

ABB i-bus® KNX
Weather Station

Power and productivity
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ABB i-bus® KNX
Weather Station, WS/S 4.1.1.2

- 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, PT100, PT1000 and potential free contact

- Twilight, humidity, air pressure, pyranometer, rain meter, rain, temperature PT100, PT1000, temperature general, wind speed, wind direction, potential free contact, any other sensor

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- 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 for each input with upper and lower limit /
  threshold values, can be modified via the bus

- Comparator / arithmetic function / mean value

- Logic AND / OR, 4 inputs, invertible

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- Minimum duration of underflow and overrange adjustable (If the sending condition reverts during the minimum duration, no telegrams are sent)

- Offset temperature +/- 5°C

- Line fault compensation at PT100/PT1000 resistance via cable length or via cable resistance

- Auxiliary voltage for sensor supply

- Integrated in the i-bus Tool

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