



Intelligent Building Control

ABB i-bus[®] KNX Analogue Input

ABB i-bus® KNX

Analogue Input, AE/S 4.1.1.3



- 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

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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

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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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