

# Temperature and Humidity Sensor



|               |                                     |
|---------------|-------------------------------------|
| Model number: | <b>RB-100-TH</b>                    |
| Mounting:     | In-wall, dose                       |
| Dimensions:   | 85 x 116 x 44 mm                    |
| Connection:   | RS485 to HIQ MC controller or Cybro |
| Frame color:  | Black                               |

## Applications

- Widely used in building automation
- Climate and HVAC signal collection
- Integrated use of temperature and humidity and chemical industries etc.

## Features

- High measurement accuracy
- Built-in high-performance microprocessor
- Multiple probes available
- Integrated use of temperature and humidity
- Superior performance and long-term stability

## Technical specifications

|                 |   |
|-----------------|---|
| Power supply:   | 10-30VDC Note: 0-10VDC output (limited to 24VDC Power Supply) |
| Signal output:  | 4-20mA/0-5VDC/0-10VDC RS485 output (Modbus protocol)          |
| Digital output: | Device address 1-255, default 1                               |

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|                         |  |
|-------------------------|--|
|                         | Device baud rate 2400, 4800, 9600 optional, default 4800 |
|                         | Byte format 8-bit data bit, 1 stop bit, no parity        |
| Colour:                 | 65K colour, 16-bit RGB                                   |
| Active Area L x W :     | 71.9mm x 70.2mm  |
| Installation :          | support rotation 0°/90°/180°/270°                        |
| Touch type :            | capacitive   |
| Communication :         | RS485 (to MC Controller or Cybro)                        |
| Operating temperature : | -20°C to 70°C  |

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