

RFF

Room humidity sensor

Approvals



Messtechnik
Made in Germany

RANGE

0~95 %

POWER

15 ... 36
V DC

OUTPUT

4-20mA
0~10V

SPECIFICATION

| | |
|------------------------------|---|
| MODEL | RFF |
| OUTPUT | DC4-20mA : 2 or 3-wire [3-wire for LCD backlight] 0-10V DC : 3-wire |
| POWER | 15 to 36V DC |
| MEASURING RANGE | 0 to 100% r.H. |
| OPERATING RANGE | 0 to 95% r.H. [non-precipitating air] |
| DEVIATION | typically $\pm 2\%$ r.H. [20...80%] at +25 °C, otherwise $\pm 3\%$ r.H. |
| AMBIENT TEMPERATURE | 0 ... 50 °C, non-precipitating |
| INSTALLATION | 4-hole for wall mounting Flush box recommended |
| ENCLOSURE | ABS plastic |
| PROTECTION TYPE | IP30 [according to EN 60529] |
| ELECTRICAL CONNECTION | 2-, or 3-wire connection 0.14 - 1.5 mm ² , via terminal screws on circuit board |

with display



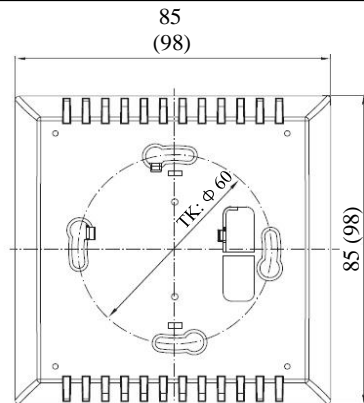
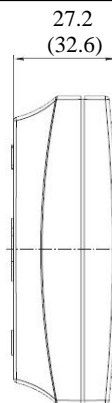
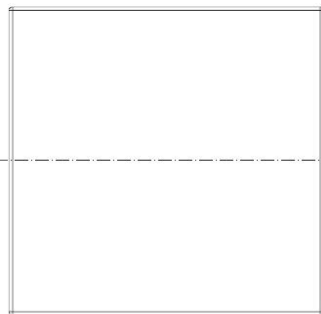
without display



DIMENSION (mm)

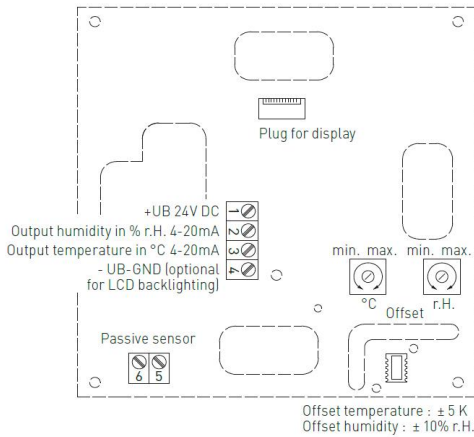
※ 제품의 사양에 따라 변경 될 수 있습니다

Baldur 1
(Baldur 2)



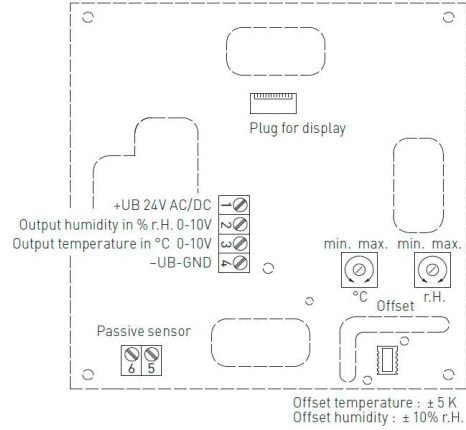
DIAGRAM

4-20mA 2 or 3-wire



- 1 +UB 24V DC
- 2 Output humidity in % r.H. 4-20mA
- 3 Free
- 4 -UB-GND [optional for backlighting]

0-10V 3-wire

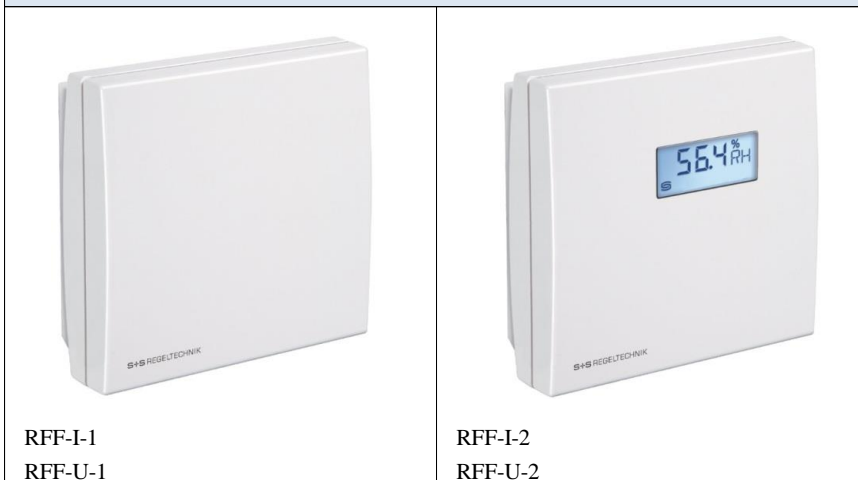


- 1 +UB 24V DC
- 2 Output humidity in % r.H. 0-10V
- 3 Free
- 4 -UB-GND

Ordering Information

| RFF | Model | | | | | | |
|------|--|------|---------|---|---------|---|---------|
| | <table border="1"> <thead> <tr> <th>Code</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>4-20mA</td> </tr> <tr> <td>U</td> <td>0~10VDC</td> </tr> </tbody> </table> | Code | Output | I | 4-20mA | U | 0~10VDC |
| Code | Output | | | | | | |
| I | 4-20mA | | | | | | |
| U | 0~10VDC | | | | | | |
| | <table border="1"> <thead> <tr> <th>Code</th> <th>Display</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Without</td> </tr> <tr> <td>2</td> <td>With</td> </tr> </tbody> </table> | Code | Display | 1 | Without | 2 | With |
| Code | Display | | | | | | |
| 1 | Without | | | | | | |
| 2 | With | | | | | | |
| RFF | <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; width: 40px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; margin-right: 5px;"></div> <div style="margin-left: 10px;">Complete Ordering Code</div> </div> | | | | | | |

TYPE & IMAGE



RFF-I-1
RFF-U-1

RFF-I-2
RFF-U-2

| FLOW | | PRESSURE | | HUMIDITY | | AC | | DC | | BATTERY | | OUTPUT | | CONTACT | | DISPLAY |