

RFTF

Room humidity and temperature sensor

Approvals



Messtechnik
Made in Germany

RANGE

0~95 %
0~50 °C

POWER

15 ... 36
V DC

OUTPUT

4-20mA
0~10V

SPECIFICATION

MODEL	RFTF
OUTPUT	DC4-20mA 0-10V
POWER	15 to 36V DC
MEASURING RANGE	Humidity : 0 to 100% r.H. Temperature : 0 to 50 °C
OPERATING RANGE	Humidity : 0 to 95% r.H. [non-precipitating air] Temperature : 0 to 50 °C
DEVIATION	Humidity : typically $\pm 2\%$ r.H. [20...80%] at +25 °C, otherwise $\pm 3\%$ r.H. Temperature : typically $\pm 0.2K$ at +25 °C
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	3-, or 4-wire connection 0.14 - 1.5 mm ² , via terminal screws on circuit board

with display



without display

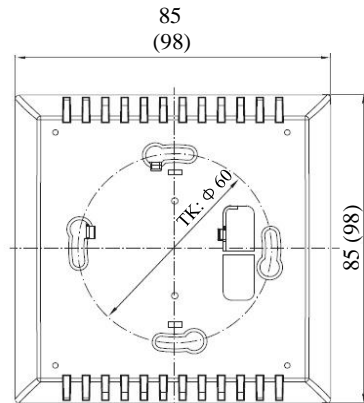
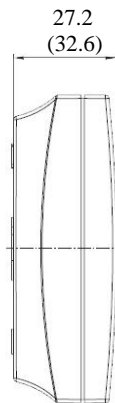
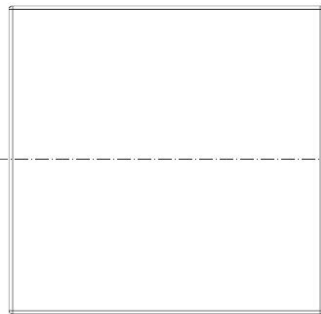


| CO2 | HUMIDITY | TEMPERATURE | AC | DC | BATTERY | OUTPUT | CONTACT | DISPLAY |

DIMENSION (mm)

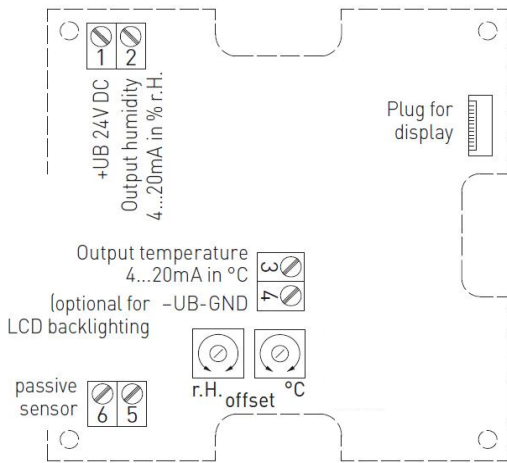
※ 제품의 사양에 따라 변경 될 수 있습니다

Baldur 1
(Baldur 2)



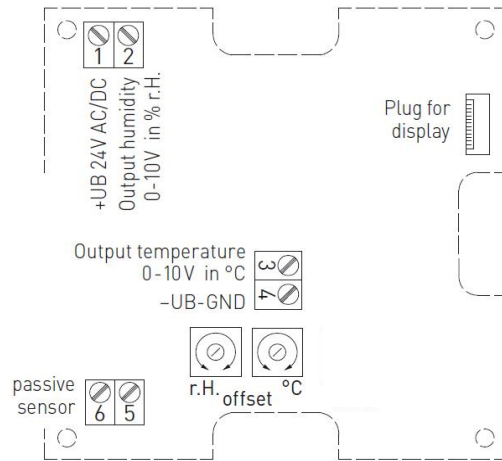
DIAGRAM

4-20mA 3 or 4-wire



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

0-10V 4-wire



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

Ordering Information

RFTF	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						
RFTF	<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



RFTF-I-1
RFTF-U-1



RFTF-I-2
RFTF-U-2

DISPLAY READOUT



The two-line display readout switches between the ACTUAL humidity reading in % r.H. and the ACTUAL temperature reading in °C.

| CO2 | HUMIDITY | TEMPERATURE | AC | DC | BATTERY | OUTPUT | CONTACT | DISPLAY