

# Rco2

Room CO2 sensor

CO2

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Approvals



Messtechnik  
Made in Germany

RANGE

0~2000

... 5000 ppm

POWER

24V DC

OUTPUT

4-20mA

0~10V

## SPECIFICATION

<b>MODEL</b>	RCO2
<b>OUTPUT</b>	DC4-20mA & 0-10V [ selectable DIP switch ] 1 x potential-free changeover contact, [ 24V/1A ]
<b>POWER</b>	24V DC Peak current 200mA
<b>POWER CONSUMPTION</b>	< 1.5W / 24V DC typical
<b>MEASURING RANGE</b>	0 to 2000 ppm / 0 to 5000 ppm [ selectable DIP switch ]
<b>SENSOR CO2</b>	optical NDIR sensor with automatic calibration
<b>DEVIATION</b>	typically $\pm 30$ ppm $\pm 3\%$ of measured value
<b>GAS EXCHANGE</b>	by diffusion
<b>AMBIENT TEMPERATURE</b>	0 ... 50 °C, non-precipitating
<b>WARM UP TIME</b>	approx. 1 hour
<b>RESPONSE TIME</b>	< 2 min.
<b>INSTALLATION</b>	4-hole for wall mounting Flush box recommended
<b>ENCLOSURE</b>	ABS plastic
<b>PROTECTION TYPE</b>	IP30 [ according to EN 60529 ]
<b>ELECTRICAL CONNECTION</b>	0.14 - 1.5 mm <sup>2</sup> , via terminal screws on circuit board

with display



without display

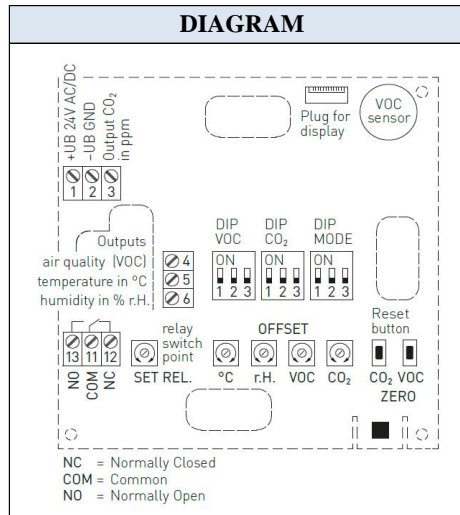


CO2 | HUMIDITY | TEMPERATURE | AC | DC | BATTERY | CONTACT | DISPLAY

### DIP SWITCHES

CO2 content	DIP 4
0 ... 2000 ppm	OFF
0 ... 5000 ppm	ON
CO2 automatic zero point	DIP 6
deactivated	OFF
activated	ON
Output	DIP 9
0-10V	OFF
4-20mA	ON

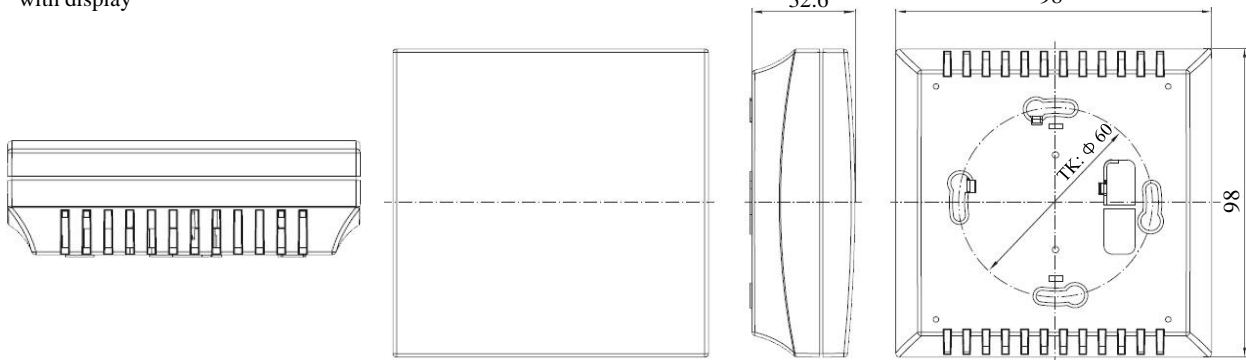
### DIAGRAM



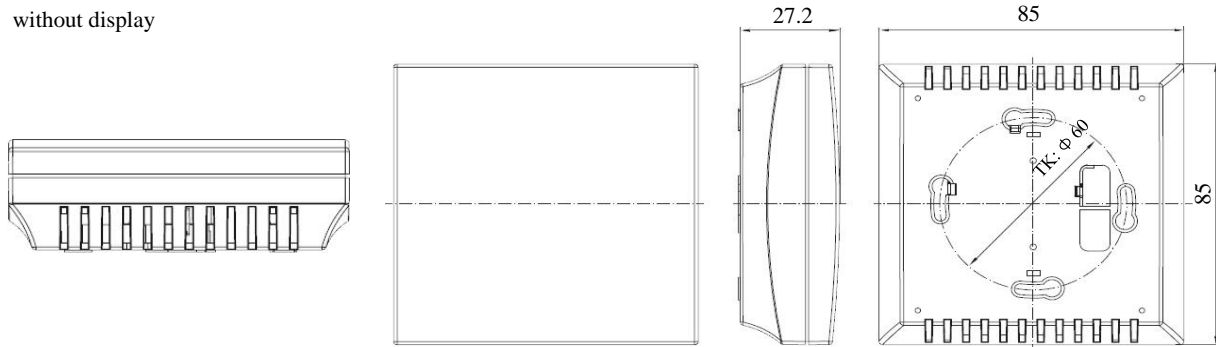
### DIMENSION (mm)

※ 제품의 사양에 따라 변경 될 수 있습니다

with display



without display

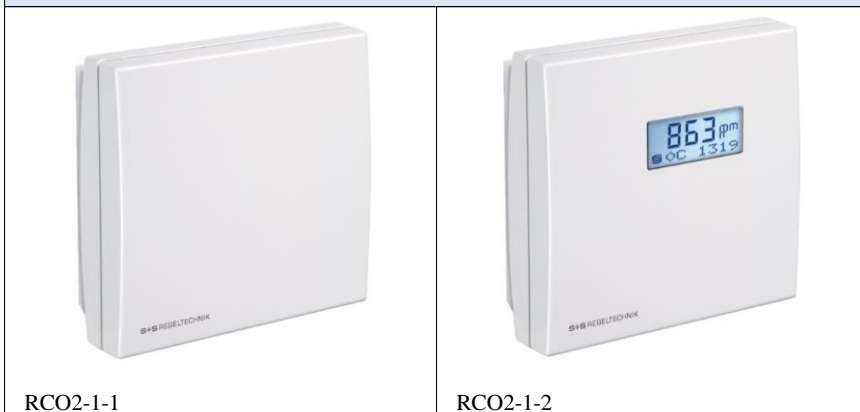


### Ordering Information

RCO2	Model						
	<table border="1"> <thead> <tr> <th>Code</th> <th>Output</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>4-20mA &amp; 0~10VDC &amp; 1C</td> </tr> </tbody> </table>	Code	Output	1	4-20mA & 0~10VDC & 1C		
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	<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						
RCO2	1						

**Complete Ordering Code**

### TYPE & IMAGE



RCO2-1-1

RCO2-1-2

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