AMBIENT AIR MONITORING RLA 100

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Ambient Air Monitoring System RLA 100 for the detection of carbon dioxide (CO_2).

Benefits
- 2 alarm limits (adjustable)
- digital displays as soon as 4 LEDs for continuous visual monitoring of the gas concentration
- easily accessible potential free change-over contact by cable at lower side on front
- Control and Display Unit with integrated alarm device (alarm lamp and -buzzer)
- easy wall mounting

Components of system
1. Control and Display Unit
2. Remote Display Unit
3. Cable for connection of Remote Display Unit and Control Display Unit

Options
- other gases on request

Caution!
The unit must be calibrated regularly also at initial startup!

Type ①	Control and Display Unit
Temperature range (gas/environment)	0 °C to +45 °C (+32 °F to +113 °F)
Measured gas	carbon dioxide (CO_2): 0 up to 50,000 ppm (5%) (Vol.), NDIR-measuring cell
Sample gas supply	diffusion
Alarm contacts	- 1 volt-free change-over contact for activation of external devices (NO/NC) at alarm 1 - Rated: 30 V DC / 250 V AC, max 2 A
Alarm limits	alarm 1 0.5 / 1 / 1.5 / 2% alarm 2 1.5 / 2 / 2.5 / 3 / 3.5 / 4%
Menu items	check of connection between control and display unit and remote display unit, calibration, change over from °C to °F, alarms 1, 2 and factory setting
Display	- digital, 4 digits, for display of gas concentration with range 0 up to 9999 ppm - digital, 3 digits, for display of gas concentration with range 1 up to 5% - additional digital, 3 digits, for measurement of temperature in °C or °F - LEDs indicating operation, alarm status and monitoring of voltage
Function keys	reset, menu selection, enter
Safety	continuous self check of temperature range, life time of sensor, implausible measured values, EEPROM system, internal data transfer
Housing	plastics, IP 54, splash proof
Dimensions (HxWxD)	168 x 125 x 47 mm (6.61 x 4.92 x 1.85 inches) (without connections)
Voltage	100-240 V AC, 50/60 Hz

Type ②	Remote Display Unit
Temperature range (gas/environment)	0 °C to +45 °C (+32 °F to +113 °F)
Menu items	check of connection between control and display unit and remote display unit, change over from °C to °F
Display	- digital, 4 digits, for display of gas concentration with range 0 up to 9999 ppm - digital, 3 digits, for display of gas concentration with range 1 up to 5% - additional digital, 3 digits, for measurement of temperature in °C or °F - LEDs indicating operation, alarm status and monitoring of voltage
Function keys	check, reset, menu selection, enter, change over of °C to °F
Housing	aluminium, IP 54, splash proof
Dimensions (HxWxD)	118 x 85 x 34 mm (4.65 x 3.35 x 1.37 inches) (without connections)
Voltage	via data cable to control and display unit

Approvals	Company certified according to ISO 9001 CE-marked according to: - EMC 2014/30/EU - Low Voltage Directive 2014/35/EU
Tested	according to EN 61326-1:2006 Report No.: 15030010 001