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GMW115 Carbon Dioxide Transmitter for Demand-controlled Ventilation

Features/Benefits

- Compact, wall-mounted transmitter for demand-controlled ventilation
- Incorporates Vaisala CARBOCAP®, the silicon based NDIR sensor with unique internal referencing
- Advanced, single-beam, dual wavelength measurement with no moving parts
- Excellent long-term stability
- Ideal for ventilation control in all types of occupied spaces

The Vaisala CARBOCAP® Carbon Dioxide Transmitter GMW115 is a wall-mounted CO_2 transmitter for demand-controlled ventilation.

Performance

CO_2 measurement range	0 ... 2000 ppm
Accuracy (including repeatability, non-linearity and calibration uncertainty)	±(2.5 % of range + 3 % of reading)
Long-term stability	±100 ppm CO_2/5 years
Response time T_{90}	1 min
Temperature dependence, typical	-0.35 % of reading/°C
Pressure dependence, typical	+0.15 % of reading/hPa
Warm-up time	1 min. 10 min for full specification
Product lifetime	> 10 years

Operating environment

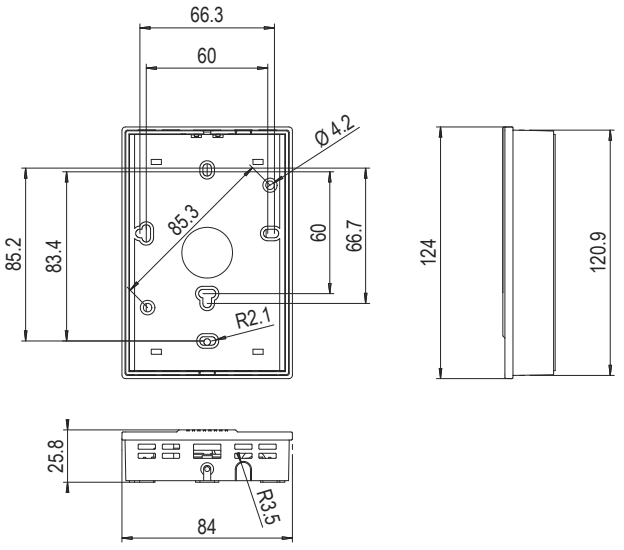
Temperature	-5 ... +45 °C (23 ... 113 °C)
Humidity	0 ... 85 % RH
Pressure	700 ... 1200 hPa
Electromagnectic compatibility	
Complies with EMS standard EN61326-1:1997 + Am1:1998, Generic Environment	

Inputs and outputs

Operating voltage	24 V (±20 %) AC/DC
Power consumption	<2 W
Outputs	4 ... 20 mA, 0 ... 10 V
	RS-485, 2-wire, non-isolated

Dimensions

Dimensions in mm



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