

aSENSE Ind 3% Disp RL



An advanced transmitter that measures CO₂ concentration and temperature.

aSENSE Ind 3% Disp RL is an advanced transmitter for installation in the climate zone. It measures both CO₂ concentration and temperature in the ambient air. The data is transmitted to a BMS system or controller and can be configured with UIP Software.

The unit can also be used as a safety product to save lives.

aSENSE Ind 3% Disp RL is a key component for climate control of buildings. The transmitter is flexible and suits many different ventilation strategies. It is also a cost-efficient gas alarm sensor for spaces where carbon dioxide gas is a potential danger.

The aSENSE Ind 3% Disp RL is designed to control ventilation by transmitting the measured carbon dioxide and temperature value to the Master of the system or DDC to save energy and ensure a good indoor environment.

Standard specification

Measured gas	Carbon dioxide (CO ₂)
Operating principle	Non-dispersive infrared (NDIR)
Measurement range CO ₂	0 – 3%
OUT1 linear output	0/2 – 10 V DC, 0 – 3% CO ₂
OUT2 linear output	0/4 – 20 mA, 0 – 3% CO ₂
OUT3 Relay	0/2 – 10 V DC, 0 – 50 °C
Accuracy (CO ₂)	0/4 – 20 mA, 0 – 50 °C
Accuracy (Temp)	Closes at 1.5%, 0.1% hysteresis
Operating principle Temp	±0.03% _{vol} ±3% of measured value
	±1 °C
	Negative Temperature Coefficient
Measurement range Temp	(NTC) resistor
Dimensions	0 – 50 °C
Life expectancy	152 x 85 x 47 mm
Power supply	>10 years
Power consumption	24 V AC/DC (±20%)
Communication	<1 W average
	UART (Modbus)

Key benefits

- Maintenance-free
- Contributes to lower energy costs
- RS-485 communication as option



Senseair

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