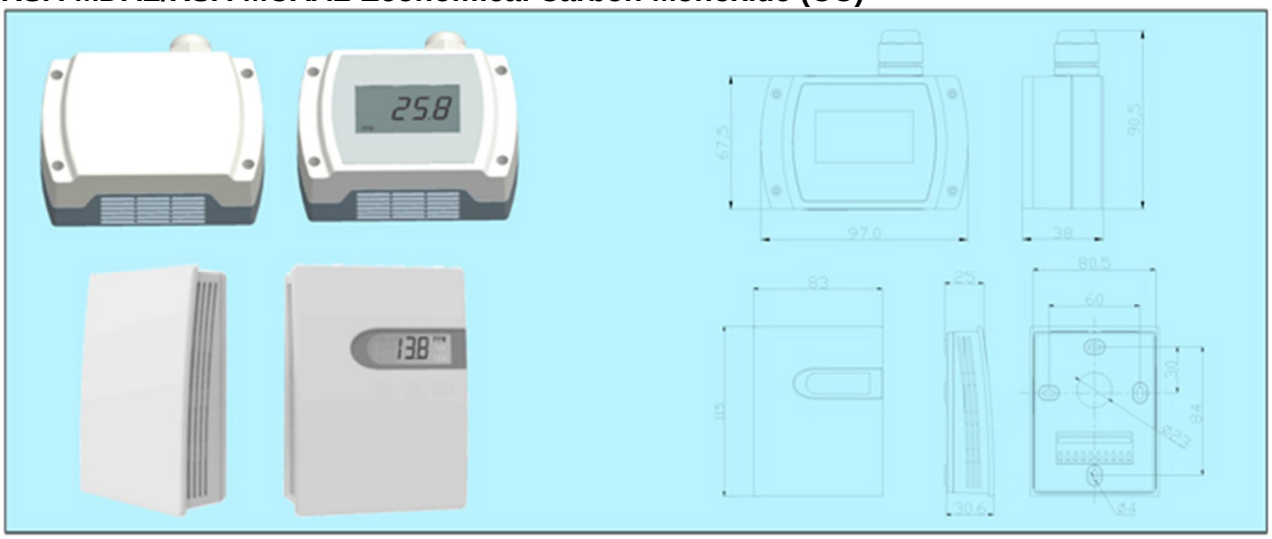
RSA-MDAL/RSA-MCAAL Economical Carbon Monoxide (CO)



Applications & Features

- It's necessary to control the ventilation of car park and vehicle maintenance and test work shop according to many building's HVAC regulations. Considering of energy efficiency, demand controlled ventilation (DCV) is needed to provide enough fresh air according to CO concentration. These transmitters are designed for the control of ventilation system to safety and energy saving operations
- Electrochemical sensor gives good long term accuracy, sensitivity and reliability
- The sensor has more than 5 years life span to protect customer's investment, long-term stable performance and low drift, only need periodical recalibration as long as 12 months or more
- Digital technology applied, multiple ranges and outputs optional, over voltage and reverse polarity protection, high reliability and anti-interference capability
- Different housings meet different installation requirements, CMWL is for wall mount with better protection, while CMWNL for general room application

Specifications

CO sensor: Electrochemical, min 5 years life span
Sampling Method: Diffusion
Range: 0~100ppm or 0~300ppm
Accuracy: ±5% FS@25°C, typical ±10% FS@5~50°C
Resolution: 1 ppm
Repeatability: <±3%FS
Stability: <±5%/year@0-100ppm, <±10%/year@0-300ppm
Pressure range: standard atmospheric pressure ±10%
Response time (T90): < 60s
Warm-up time: < 1 min
Load Resistance: ≤500Ω(current output), ≥2kΩ(voltage output)
Power: Current: 18.5~35VDC (R_L=500Ω); 8.5~35VDC (R_L=0Ω)
Voltage: 16~28VAC/16~35VDC
Output: 4~20mA (2 wires), 0-10VDC, RS485 / Modbus
Work environment: 5~50°C(continuous), 15~90%RH(Non- cond.)
Storage Temperature:-10~55°C
Housing: ABS+PC, ULV-0(CMWL)
Protection: IP33 (RSA-MDAL), IP30 (RSA-MCAAL) **Weight:** 189g (CMWL), 163g(RSA-MCAAL)
Agency Approval: CE

Models

Model	RSA-MDAL RSA-MCAAL				Wall mount CO transmitter Room CO transmitter
Output		1 2 8			0~10VDC(3 wires) 4~20mA(2 wires) RS485/Modbus
Range			0 1		0~100ppm 0~300ppm
Display				0 1	N/A LCD

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