NotionControl

THE INTELLIGENT POINT OF BUILDINGS

CDR and CDD

Carbon Dioxide (CO_2) Transmitter

Specifications

Sensor: NDIR Sensor, with ABC calibrate function and active gas diffusing
Accuracy: See in models selection
Response time: <10s (30cc/min, low flow gas)
Drift: <±10ppm/year
Range: 0~2000ppm or others
Output: 4~20mA/0~10V or RS485
Relay output: SPDT relay, 1A/30VDC,0.5A/125VAC
Power supply: 24VAC/DC±10%
Load resistance: 500Ω (Current output)
Display: LCD Display (optional)
Display accuracy and resolution: 1ppm
Working environment: 0~50˚C,0-95%RH(Non-condensing)
Storage temperature: -20~80˚C
Housing: ABS
Protection: IP30 (CDR), IP65 (CDD)

Applications

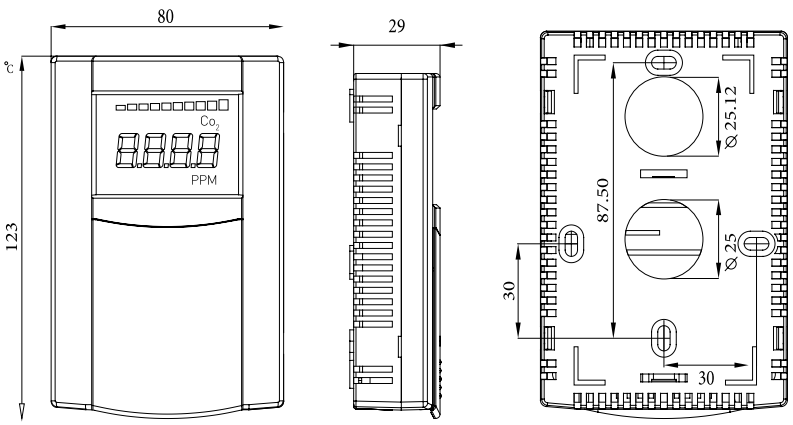
CDR and CDD carbon dioxide transmitters are designed for monitoring and controlling environment of industry and commercial buildings. They can be used in working house, clean room, laboratory, machine room, office, airport, parking lot, station and museum, etc. where air quality control is necessary. CDR is for wall mount and CDD is for duct mount.

- High performance NDIR digital sensor and circuit, ensure precise measurement and temperature compensation
- Stable and reliable
- 15 years sensor life and maintenance-free
- Fast response
- Light and state of art housing
- Optional output selection

Models

Specifications	Code					
Wall mount CO_2 Transmitter	CDR					
Duct mount CO_2 Transmitter	CDD					
Accuracy						
(75+reading 5%) ppm		0				
(30+reading 5%) ppm		1				
Output						
4-20mA/0-10VDC			1			
4-20mA/0-10VDC, RS485, Modbus			B			
Range						
0-2.000ppm				0		
Others (0-5.000ppm)				7		
Relay Output						
No					0	
2*SPDT					1	
LCD & OP Display (CDR)						
No						0
LCD						1
OP						2

Dimension (mm)



CMR and CMD

Carbon Monoxide (CO) Transmitter

Applications

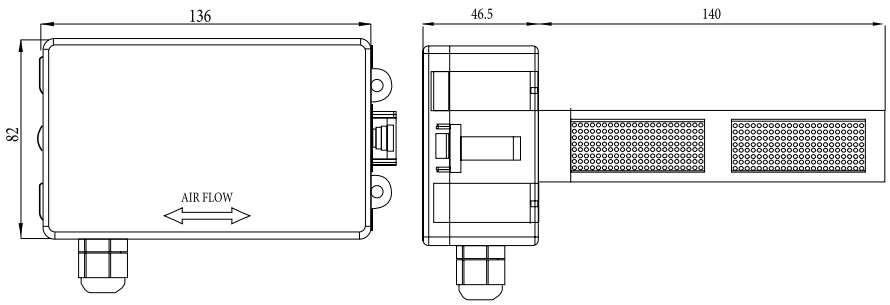
Building standard request good ventilation in parking garages, engine repair shops and tunnels. So we should keep enough fresh air supply in the ventilation system. When the concentration of carbon monoxide is less than 25ppm or 50ppm, we can decrease the ventilation or even stop it.

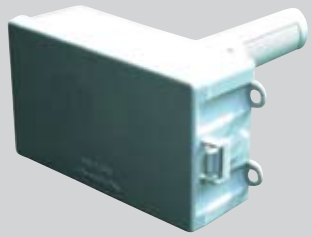
Based on this principle, we can use carbon monoxide transmitter to monitor the ventilation. It could ensure the indoor air quality and save the energy cost for unnecessary ventilation at the same time. CMD and CMR transmitters are designed for this application. The CO sensor uses electrochemical technology, has 5 years guaranty.

- Electrochemical technology sensor with high accuracy and long term reliability
- Digital technology
- Multiple output and range selectable
- Five years sensing life
- Easy to change the sensor, save cost at most
- State of art housing design, easy to install and maintain

Models

Descriptions	Code				
Wall mount CO transmitter	CMR				
Duct mount CO transmitter	CMD				
Output					
4-20mA/0-10VDC		1			
4-20mA/0-10VDC, RS485, Modbus		B			
Range					
0-100ppm			0		
Other (0-400ppm)			7		
Relay					
No				0	
2*SPDT				1	
LCD & OP (CMR)					
No					0
LCD					1
OP					2





Specifications
Sensing principal: Electrochemical
Sensor life: 5 years
Work temperature: 0-50˚C, 0-90%RH(Non-condensing)
Storage temperature: -40 -70˚C
Sensing range: 0-100/200/400ppm
Repeatability: Sensing value+/-5%
Linear accuracy: Sensing value+/-5%
Suggested recalibrate interval: 1 year
Response time: T90=< 60s
Warm up time: <2min
Power supply: 18-30VDC
Power consumption: 20mA
Output: 4-20mA/0-10V/RS485
Protection: IP30(CMR), IP65(CMD)