



Applications & Features

- CD series carbon dioxide transmitters/controllers are designed for monitoring & controlling indoor air quality
- CDW is suitable for wall mount and CDD is suitable for duct mount
- High performance NDIR digital sensor and circuit, ensure precise measurement and temperature compensation
- Stable, reliable and fast response
- 15 years sensor life without maintenance
- Digital technology applied, multiple outputs optional, over voltage and reverse polarity protection, high reliability and anti-interference capability
- Light and state of art housing, easy installation
- Multiple outputs selection, optional relay output to actuate the alarm or control function
- LCD & function keys can set various parameters, calibrate and adjust output, so the product can be a stand alone controller

Specifications

Sensor: NDIR sensor, with ABC algorithm (Automatic Baseline Correction)
Sampling Method: diffusion
Accuracy: see models
Response time: < 10s (30cc/min, low airflow)
Drift: < ±10ppm/year
Range: 0~2000ppm or others (0~5000ppm)
Output: 4~20mA, 0~10V, RS485/Modbus
Relay: 2×SPST, 1A/30VDC, 0.5A /125VAC
Load resistance: ≤500Ω (Current output), ≥2kΩ (Voltage output)
Power supply: 15~28VAC/15-36VDC
Display & Keys: Optional LCD Display & Keys (CDW), see more details on LCD & Keys operation
Display resolution: 1ppm
Working environment: 0~50°C, 0~95%RH(Non-cond.)
Storage temperature: -20~80°C
Housing material: fireproof ABS
Protection: IP30 (CDW), IP65 (CDD)
Approval: CE

Models

Model	CDW					Wall mount CO ₂ Transmitter/Controller Duct mount CO ₂ Transmitter/Controller	
Accuracy		0				75 ppm or 10% reading, whichever is greater 30 ppm + 5% reading	
Output		1	B			4~20mA / 0~10VDC 4~20mA / 0~10VDC , RS485/Modbus	
Range				0	7	0~2000ppm Others (0~5000ppm)	
Relay Output				0	1	N/A 2×SPST	
LCD&Keys (CDW)				0	1	2	N/A LCD LCD&Keys