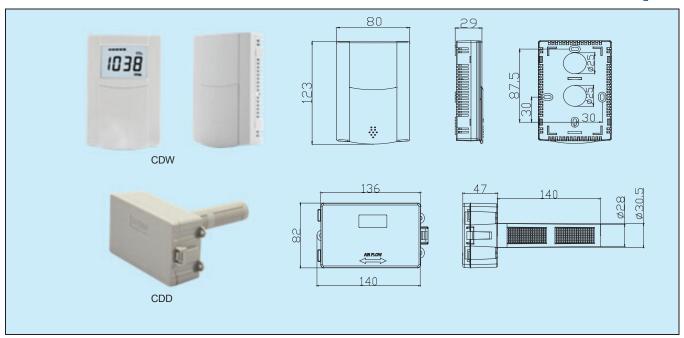
## CDW & CDD Carbon Dioxide (CO<sub>2</sub>) Transmitter/Controller





## **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:  $\leq$ 500 $\Omega$  (Current output),  $\geq$ 2k $\Omega$  (Voltage output)

Power supply: 15~28VAC/15-36VDC

**Display & Keys:** Optional LCD Display & Keys (CDW), see more details on LCD & Keys operation

more details on LCD & Keys operat

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

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