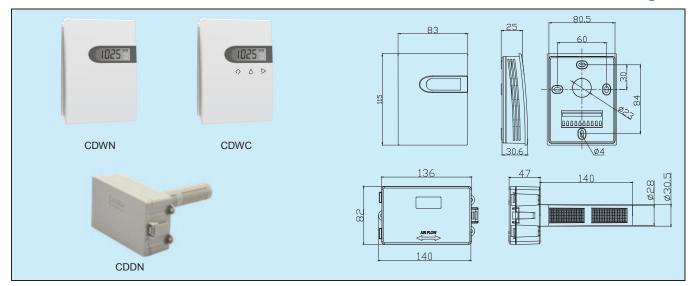
# CDWN/CDDN&CDWC Carbon Dioxide (CO<sub>2</sub>) Transmitter/Controller TEREN



#### **Applications & Features**

- CD-N series carbon dioxide transmitters/controllers are designed for monitoring & controlling indoor air quality
- CDWN is suitable for wall mount and CDDN 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(for CDWC)

# Specifications for CDWN&CDDN

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 Load resistance: ≤500Ω (Current output), ≥2kΩ (Voltage output) Power supply: 15~28VAC/15-36VDC **Display:** Optional LCD Display Display resolution: 1ppm Working environment: 0~50°C, 0~95%RH(Non-cond.) Storage temperature: -20~80°C Housing material: fireproof ABS Protection: IP30 (CDWN), IP65 (CDDN) Approval: CE

### Models for CDWN&CDDN

Model	CDWN				Wall mount CO <sub>2</sub>
					Transmitter
	CDDN				Duct mount CO <sub>2</sub>
					Transmitter
Accuracy		0			50 ppm + 5% reading
		1			50 ppm + 3% reading
Output			1		4~20mA / 0~10VDC
			В		4~20mA / 0~10VDC
					RS485/Modbus
Display				0	N/A
(CDWN)				1	LCD

# **Specifications for CDWC**

Sensor: NDIR sensor, with ABC algorithm (Automatic Baseline Correction) Sampling Method: diffusion Accuracy: 50 ppm + 5% reading **Response time:** <10s (30cc/min, low airflow) Drift: <±10ppm/year Range: 0~2000 ppm( measure range 400~2000ppm) Output: 2×SPST, 3A-30VDC/250VAC Communication: optional RS485/Modbus Power supply: 15~28VAC/15-36VDC Display and keys: with LCD Display and 3 touch keys, 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 Approval: CE

#### Models for CDWC

Model	CDWC		Wall mount CO <sub>2</sub> Controller	
Communi-		0	N/A	
cation		1	RS485/Modbus	