



DCCO2 - 1 Wall mount type  
DCCO2 - 2 Wire type

- Improve air quality by 2 sets of relay to activate fans or air conditioner.
- RS485 Output to connect with human-machine interface or computer for data storage.
- Remote CO2 concentration and Temp. Humi. alarm by meter setting.
- Compatible with large display.
- Compatible with DCPD wire RS-485
- Can be used in such places: hospital, library, commercial building.. any indoor places.

**SPECIFICATION**

Measuring range: CO2 0~5000ppm (Option : 0~9999ppm)  
Temp. -30.0~100.0°C  
Humi. 0~100%

Display: CO2 4 digit 0.39" red LED  
Temp./Humi. 3 digit 0.3" green LED

Sensor: CO2 NDIR Infrared sensor  
Temp./Humi. Digital Sensor

Accuracy: CO2 ±75ppm or 5% of measured value  
Temp. ±0.5°C  
Humi. ±3%

Response time: CO2 1~10 sec.  
Temp./Humi. 1 sec.

Operating environment: 0~+50°C / Below 80%RH.  
Storage environment: -20~+60°C / Below 80%RH.  
Power environment: DC 24V  
Dimension: 116(W)×175(H)×32(D)mm

**ORDER INFORMATION**

Model —

Range —

1 : 0~5000ppm  
Y : 0~9999ppm

Output —

R : RS-485  
Y : Option

**RELAY OUTPUT**

Control system: Microcomputer  
Setting range: Free setting  
Relay capacity: AC 250V, 5A resistive load  
DC 30V, 5A resistive load

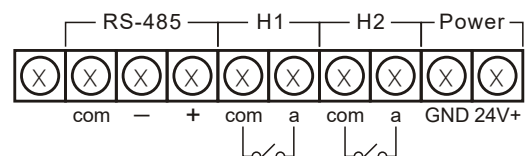
**RS485 INTERFACE**

Address : 1~FF(16 Hex)  
Baudrate : 9600, 19.2K, 38.4K, 57.6K, 115.2K  
Frame : N.8.2, E.8.1, O.8.1, N.8.1  
Protocol : Modbus RTU mode

**ANALOG OUTPUT**

Output: DC 4~20mA×2  
DC 0~10V×2  
Accuracy: ±0.2%

**WIRING CONNECTION**



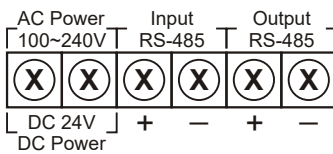


DCPD-1 Wire type

Input : RS-485  
 Output : RS-485 (Modbus RTU mode)  
 Display : CO2 2.3"(5.8cm) red LED  
           °C. % 1.5"(3.8cm) red LED  
 Size : 375mm(W)×200mm(H)×60mm(D)

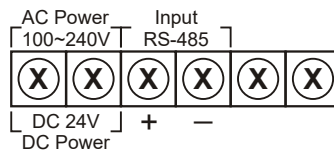
**WIRING CONNECTION**

**Type A**



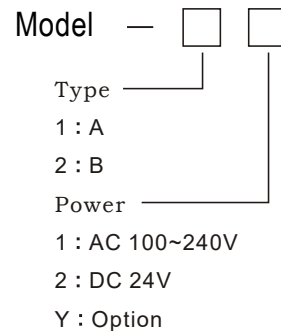
Type A : initiative type  
 preset:  
 Address : 01  
 Baudrate : 38400  
 Frame : N.8.1

**Type B**



Type B : passive type  
 PC ask for data from a large display

**ORDER INFORMATION**



Address	Word	Item(description)	Code	Unit	Sign	Range
0000H	1	CO2	03/06H	1ppm	Unsign	0~9999
0001H	1	Temperature	03/06H	0.1°C	sign	-199~999
0002H	1	Humidity	03/06H	0.1%RH	Unsign	0~999