

Ambient Air Quality Transmitter

⚙ Description:

CO₂ sensor with Humidity & Temperature transmitters are designed for environment monitoring and controlling in industrial, commercial and other buildings. These transmitters can be used to monitor CO₂ levels, air temperature and humidity in various industrial plants, clean rooms, labs, machine rooms, offices, commercial buildings, airports, stations, libraries and stadiums.



⚙ Features:

- High performance digital sensors and circuits, ensure accurate measurement and temperature compensation
- Good long term stability and reliability with IP65 Protection
- 100% field changeable sensors, no re-calibration needed
- Multiple output signals selectable: 4-20mA, 0-5V or 0-10V
- Display in degrees Fahrenheit or Celsius (connection to Modbus)
- Display: 130x80 dot matrix, backlit

⚙ Specifications:

CO₂:

Sensor	:	Dual Beam NDIR
Range	:	0-3,000 ppm
Output	:	RS485 Modbus and Analog Output (0-5V , 0-10V, 4-20mA)
Accuracy	:	±70 ppm or ±5% of reading



Relative Humidity:

Sensor	:	capacitance polymer,
Range	:	0~100% non condensing
Output	:	RS485 Modbus and Analog Output (0-5V, 0-10V, 4-20mA)
Accuracy	:	3% RH (25°C, 20~80% RH)
Hysteresis	:	< ±1% RH
Response time	:	< 10s (25°C, in slow air)
Drift	:	< ±0.5% RH / year



Temperature:

Sensor	:	10K internal
Range	:	-30°C~70°C
Output	:	RS485 Modbus and Analog Output (0-5V , 0-10V, 4-20mA)
Accuracy	:	< ±0.5°C @ 25°C



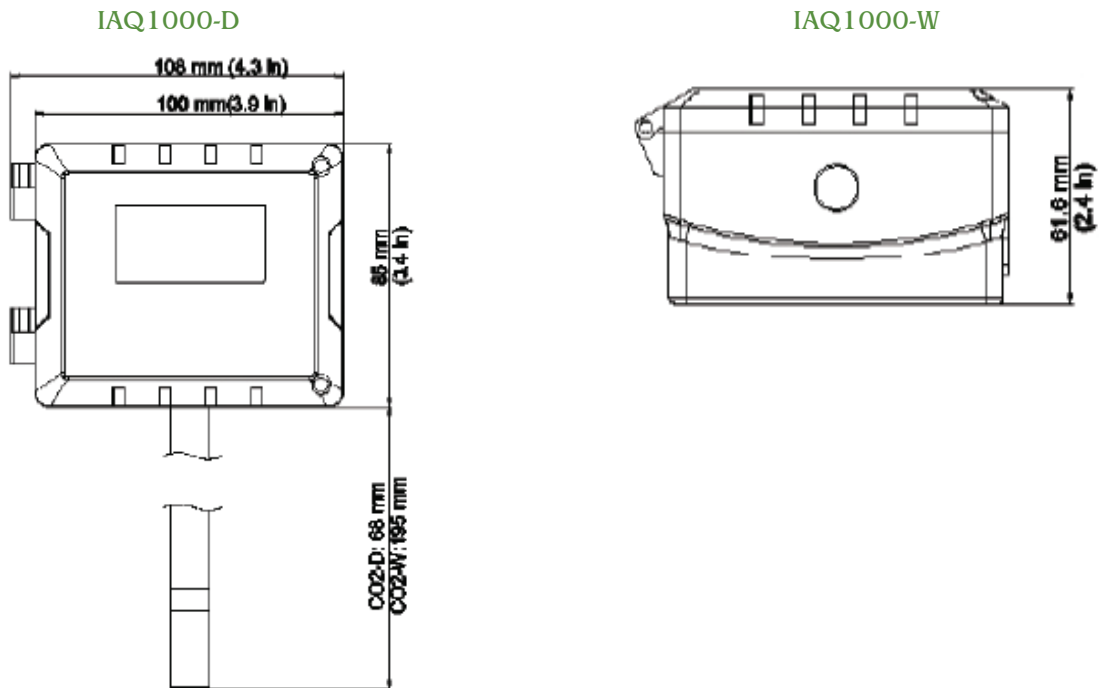
General:

Power	:	12 to 24V AC or DC, ±10%
Current Output Load for 4-20mA	:	< 500Ω
Display	:	LCD screen for wall / outdoor mount and duct mount
Display Resolution	:	0.1°C, 0.1% RH
Temperature Limit	:	-40~100°C, 0~95% RH(Non condensing)
Plastic Housing	:	Flammability rating UL 94V0 file E194560

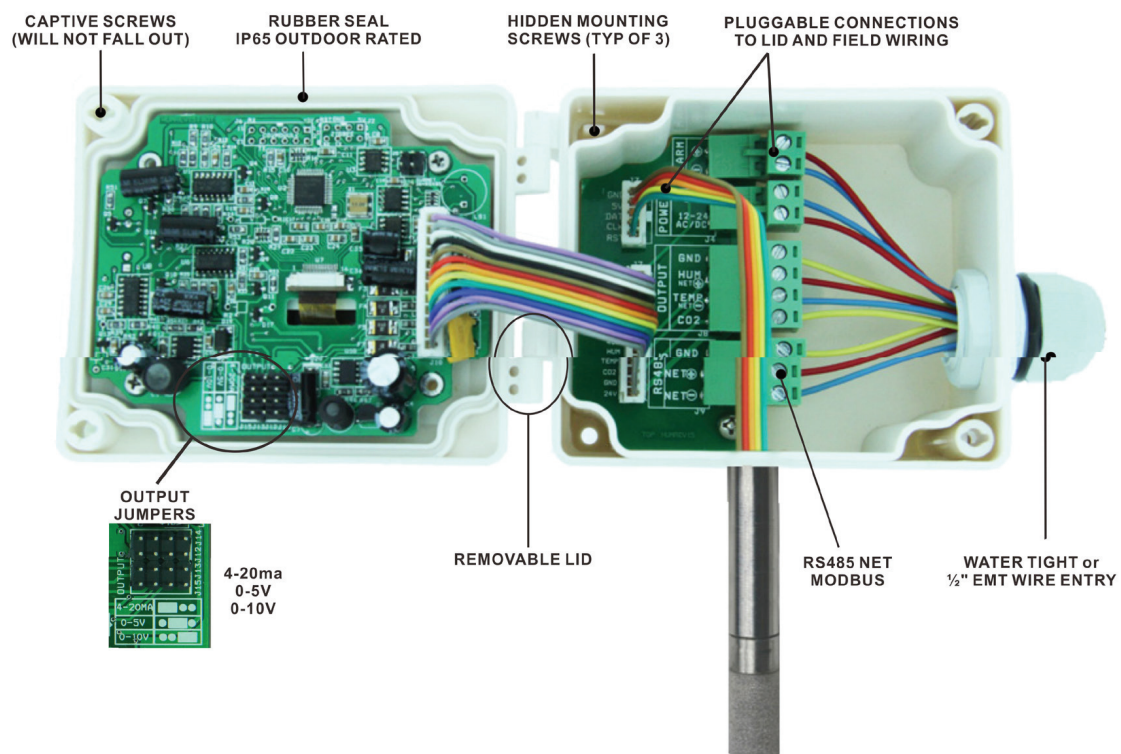


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⚙️ Dimensions:

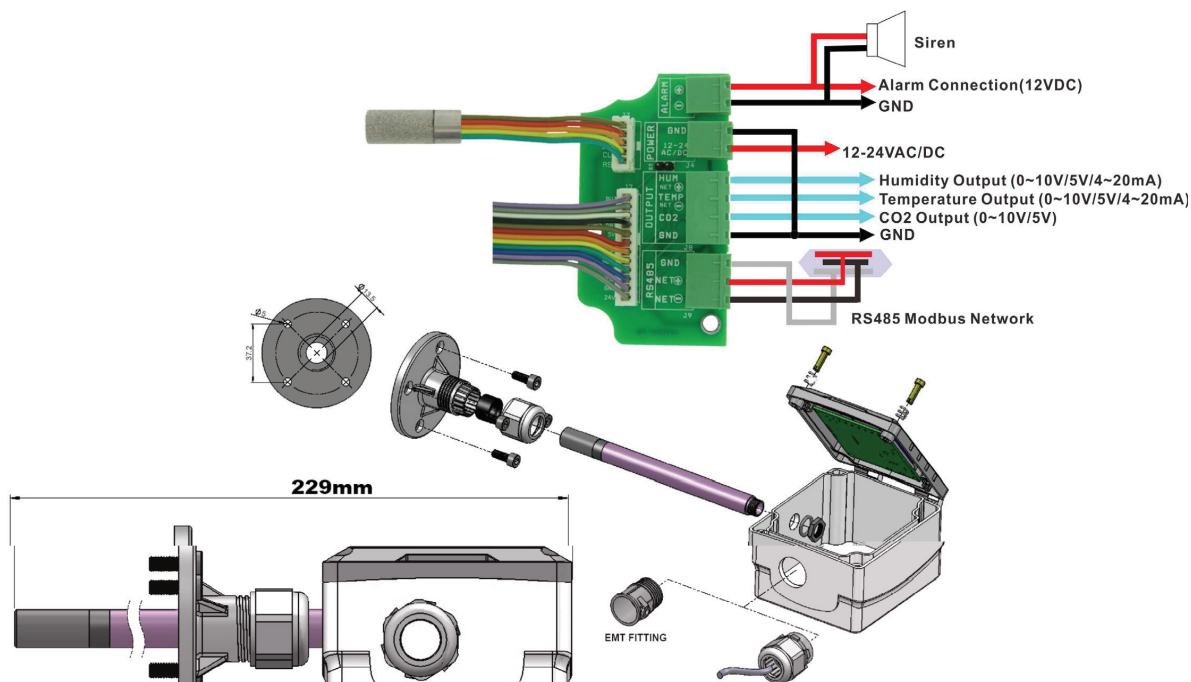


⚙️ Highlights & Wiring Diagram:



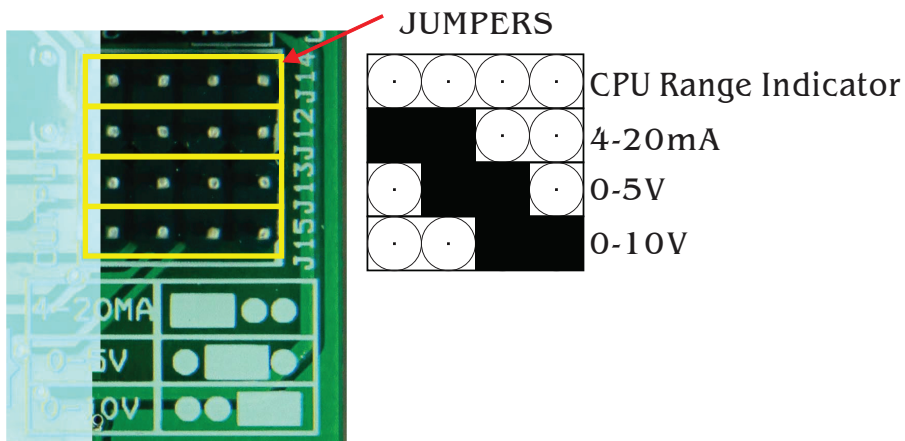
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Assembly:



Jumper Settings:

Jumper Settings Without Network



Jumper Settings With Network

