NEO WAVE®

OverView:

TXCDI

The NEOWAVE TxCDI indoor carbon dioxide transmitter relies on the unique way different gases absorb infrared light in a specific range. It gauges gas concentration by measuring this light absorption. Unlike electrochemical sensors, it's durable and stable. Equipped with an imported high-performance NDIR sensor, it swiftly and accurately measures CO2 levels with stable performance. Its compact size and simple setup make it perfect for indoor CO2 measurement in

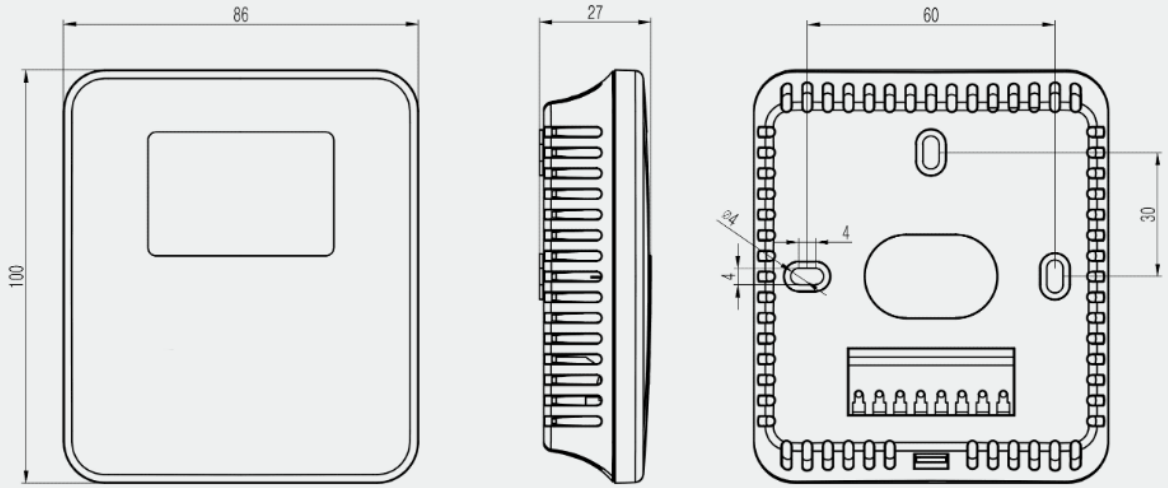
Feature:

- Equipped with an imported high-performance NDIR sensor.
- Features a sleek, lightweight design with an LCD backlight display.
- Boasts excellent long-term stability and reliability, along with ABC self-calibration.
- Offers various optional output methods, compatible with the standard 86 box installation method.

Application:

The CO2 transmitter indicates the concentration of carbon dioxide (CO2) in the surrounding air, serving as a gauge for indoor air quality. It finds frequent use in HVAC systems and construction fields. Additionally, it's versatile for measuring CO2 levels in home spaces, offices, factory floors, warehouses, and similar environments.

Dimensions:



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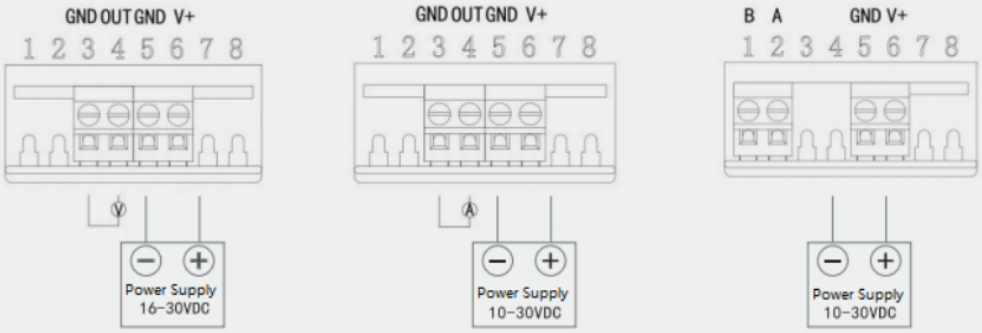
Specification:

NEOWAVE Indoor CO2 Monitor Transmitter TxCDI

Output	4-20mA	0-5V	0-10V	RS485
Working Voltage	10-30 VDC	10-30 VDC	16-30 VDC	10-30VDC
Sensor	NDIR sensor			
Average Current	<45mA			
Working Temperature	0-50°C			
Working humidity	0-80%			
Measure Range	0-2000ppm, 0-5000ppm			
Accuracy	±(40PPM+3%MV)PPM			
Response Time	2min			
Protection Class	IP30			

Wiring GUIDE:



Order Informations:

TxCDI	Code and description			Remark
	Indoor CO2 monitor			Model
	2	2000ppm		Measure Range
	5	5000ppm		
		V5	0-5V	Output
		v10	0-10V	
		A	4-20mA	
		RS	RS485/Modbus	
		2	With digital display	Measure Range
		1	without digital display	

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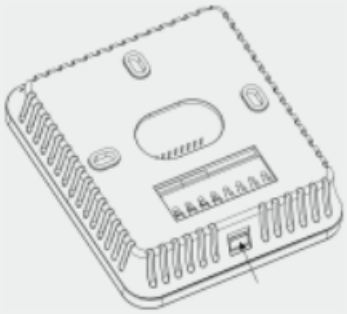
Installation:



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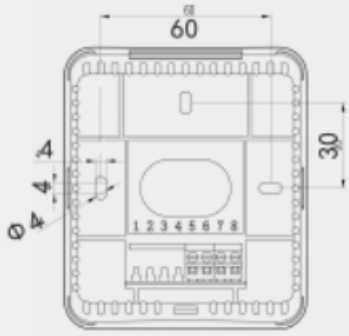

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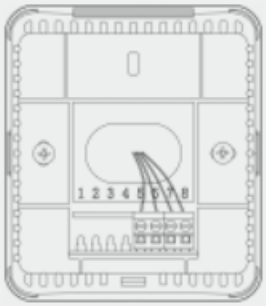

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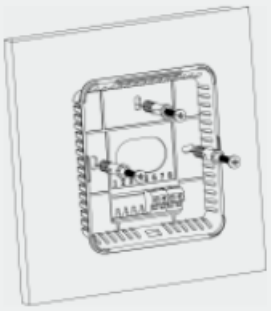

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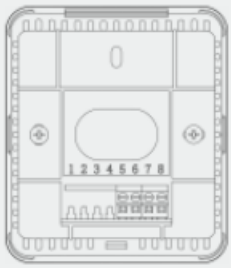

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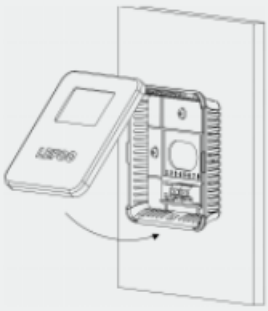

⑦

- Push the open button located beneath the back cover of the transmitter to access its interior (as demonstrated in Figures 1 and 2).
- Follow the wiring diagram to make the electrical connections, and thread the cable through the designated hole (as depicted in Figure 4).
- The transmitter's back cover features three mounting holes for installation. You can secure it to the wall using expansion screws (as illustrated in Figure 5), or attach it to pre-embedded 86 boxes on the wall (as shown in Figure 6).
- Once the electrical connections are complete, align the front cover with the bottom case and secure them together to finish the installation process (as seen in Figure 7).

For technical support please contact: support@neowave.tech