FEATURES

- Imported high performance electrochemical sensor.
- A variety of output modes are optional, using LCD backlight display.
- Perfect overvoltage and reverse connection protection, high long-term reliability.
- Configurable relay action point, can realize independent control/alarm function.
- The shell design is light and beautiful, and the standard 86 box installation method.

DESCRIPTION

The LFG103 indoor carbon monoxide transmitter uses a high-performance electrochemical sensor to measure the concentration of carbon monoxide in the environment, with rapid response, stable performance and high accuracy, wide power supply range, perfect overvoltage and reverse connection protection. It has current & voltage or RS485 output signal, configurable relay action point, and has independent control/alarm function. This product can be widely used in HVAC systems, kitchen restaurants, workshops, underground parking lots, etc.

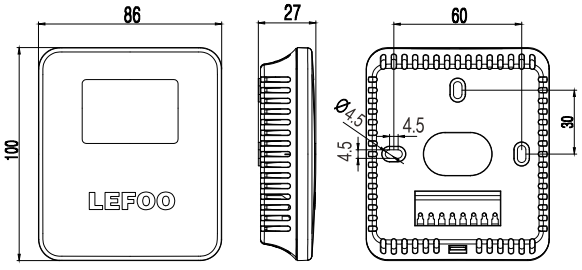
SPECIFICATION

Sensor	Electrochemical sensor with a typical lifetime of 5 years
Range	0~100ppm/0~250ppm/0 ~400ppm
Accuracy	±5%FS
Response Time(T90)	≤60s
Preheat Time	2min
Power Supply	15~36VDC/24VAC±20%
Output Mode	4~20mA&0~10V
Relay	1xSPDT 3A/30VDC 3A/250VAC
Working Environment	0 ~ 50℃&15 ~ 90%RH (non-condensing) (continued) -10 ~ 60℃&0 ~ 95%RH (non-condensing) (Intermittent)
Storage Temperature	-10~60°C(long term storage： 5 ~ 30℃(Within 6 month))
Degree of Protection	IP30
Shell Material	PC

• Note: When AC power is used for RS485 output products, isolated 24VAC power should be used!

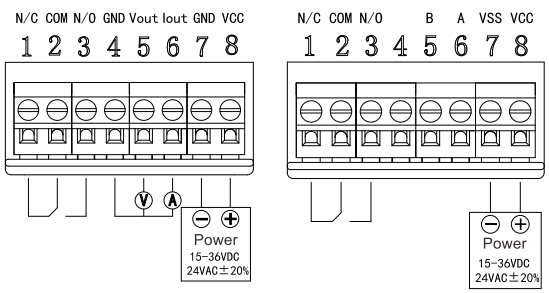
DIMENSIONS AND WIRING

①Dimension (mm)

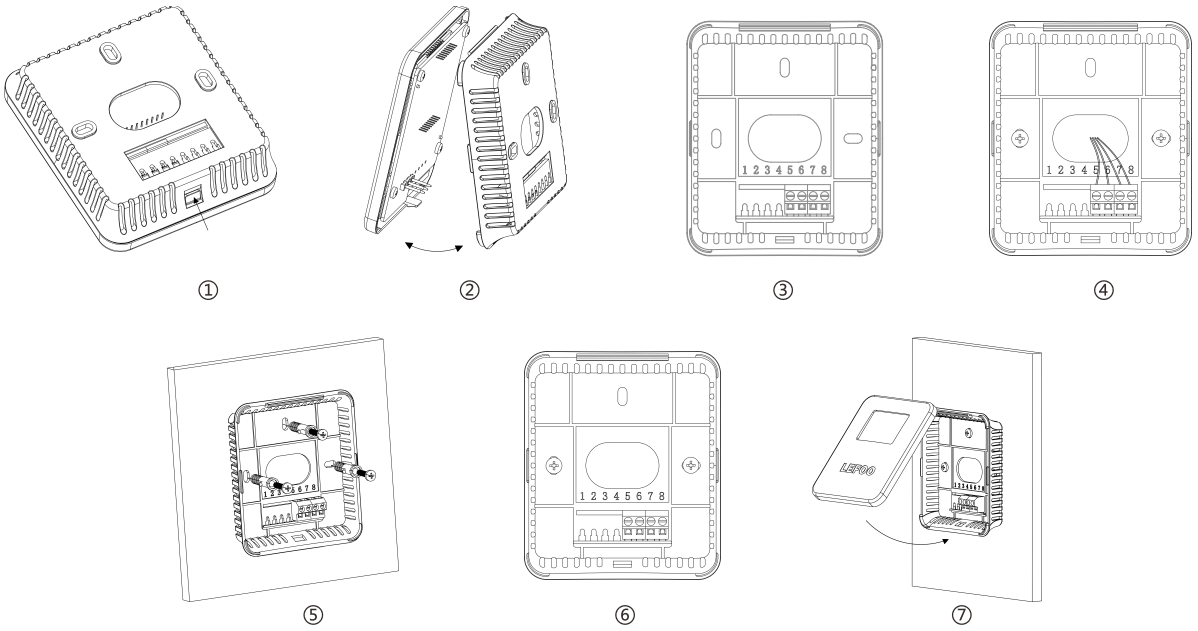


②Wiring Method

According to the selection, the following figure shows the current and voltage output, RS485 output and relay wiring:



WIRING INSTRUCTIONS



① ② ③ ④

⑤ ⑥ ⑦

1. Press the open button under the back cover of the transmitter to open the transmitter (Figures 1 and 2);
2. Complete the electrical connection according to the wiring diagram, and introduce the cable from the cable hole (Figure 4);
3. There are three mounting holes on the rear cover of the transmitter, and fix it on the wall with expansion screws (Figure 5).
It can also be fixed on the 86 boxes embedded in the wall with screws (Figure 6);
4. Align and fasten the front cover with the bottom case to complete the installation (Figure 7).

ORDER REF NO.

Code and description								Remark
LFG103	Carbon monoxide transmitter							Model NO.
	1	100ppm						Range
	2	250ppm						
	3	400ppm						
		IV	4 ~ 20mA&0 ~ 10V					Output
		RS	RS485/Modbus					
				D	With display			Display
				N	Without display			
						R	1xSPDT	Relay
						N	No relay	

									Example
LFG103	-	3	-	IV	-	D	-	R	