KC-ICO-103 Indoor Carbon Monoxide Transmitter



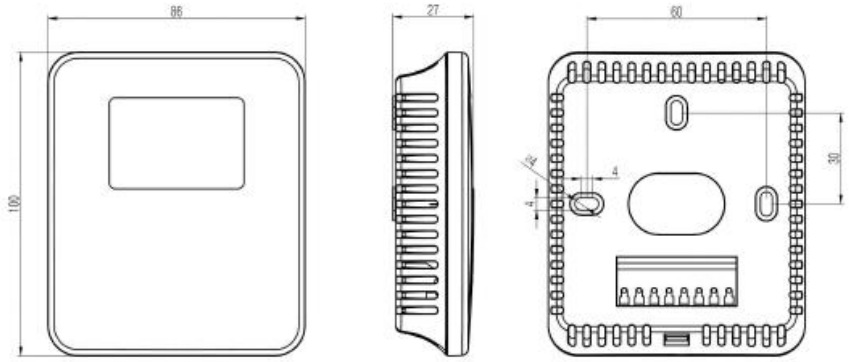
FEATURES

- 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.

OVERVIEW

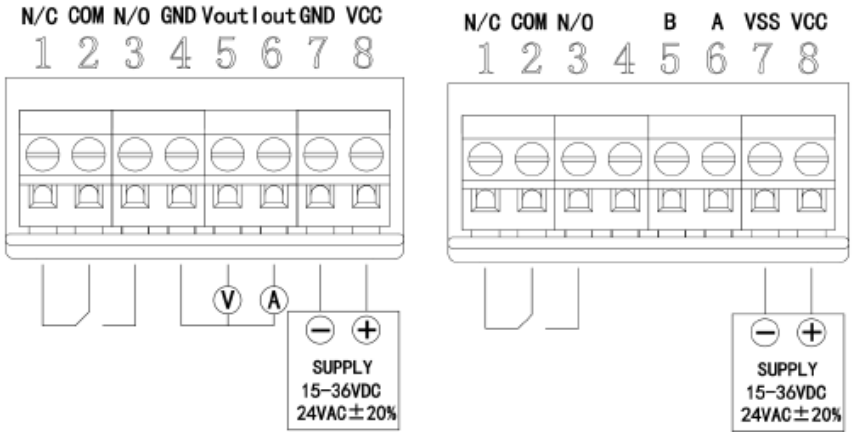
The KC-ICO-103 indoor carbon monoxide transmitter uses a high-performance electrochemical sensor to measure the concentration of carbon monoxide in the environment, with rapid response, stable performance and high accuracy, wide power supply range, perfect overvoltage and reverse connection protection. 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.

DIMENSION (mm)



WIRING INSTRUCTIONS

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



SPECIFICATION

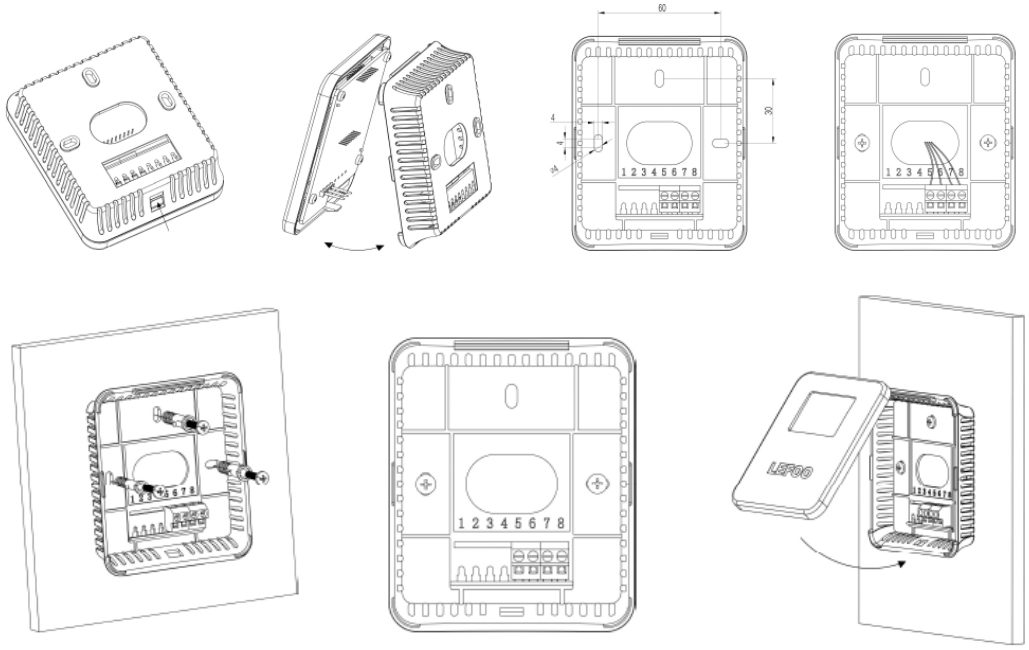
Sensor	Electrochemical sensor with a typical lifetime of 5 years	
Range	0~100ppm/0~250ppm/0~400ppm	
Accuracy	±5%FS	
Response Tome (T90)	≤60S	
Preheat Time	2min	
Power Supply	15~36VDC/ 24VAC±20%	
Output Mode	4~20mA & 0~10V	RS485
Relay	1xSPDT 3A/30VDC 3A/250VDC	
Working Environment	0~50°C & 15~90%RH (non-condensing)(continued) -10~60°C & 0~95%RH (non-condensing)(intermittent)	
Storage Temperature	-10~60°C (long term storage: 5~30°C (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!

ORDER REF. NO.

Code and description					Remark
KC-ICO-103	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	
KC-ICO-103 - 3 - IV - D - R					Example

INSTALLATION METHOD



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