LEFOO

LFH20 Indoor Temperature and Humidity Transmitter

FEATURES

- Comply with standard 86-type switchbox installation method
- The shell design is light and beautiful, with LCD backlight temperature and humidity dual display, easy to use
- Adopt imported high-precision sensor and main control, with good long-term stability and anti-Interference ability,
- Optional passive temperature output
- CE certified, RoSH

DESCRIPTION

LFH20 Temperature and Humidity Transmitter is specially designed for indoor temperature and humidity detection. It is small in size, simple in installation and easy to operate. It has special design for lightning surge, static electricity, group pulse, withstand voltage, etc., and has strong anti-interference ability. There are three output modes of current, voltage and RS485 to choose from. It can be widely used in computer rooms, buildings, warehouses and other places where temperature and humidity are to be measured.

SPECIFICATION

1)Relative humidity

Transducer	Digital
Rang	0%~100%
Output	RS485/Modbus,0~10VDC,4~20mA optional
Accuracy	±3%@ 20℃& 20~80%RH
Response Time	≤10s(20℃,slow flow air)

2)Temperature

Transducer	Digital or thermal resistance，see Order Ref No.	
Range	0~50℃，-20~60℃ etc	
Output	4~20mA，0~10VDC，RS485/Modbus optional	
Thermal Resistance	See Order Ref No. and Thermal Resistance Index Table	
Accuracy	Digital type: ±0.3℃@20℃; Thermal resistance type: typical ±0.2~0.4℃@25℃, see Order Ref No.	
Power Supply	Voltage type/485 type: 15~35VDC/24VAC+20%(isolated power supply is required for AC power supply)	Current type：19.5~35VDC（RL=500Ω）/9.5~35VDC（RL=0Ω）
Outout Load	≤500Ω(Current type),≥2KΩ(Voltage)	
Display	LCD display optional, with unit display and backlight	
Shell Material	PC housing	
Work Environment	-20~60℃,5%-95%RH(Non-condensing)	
Protection Grade	IP30	
Electromagnetic Compatibility	EN61326-1	

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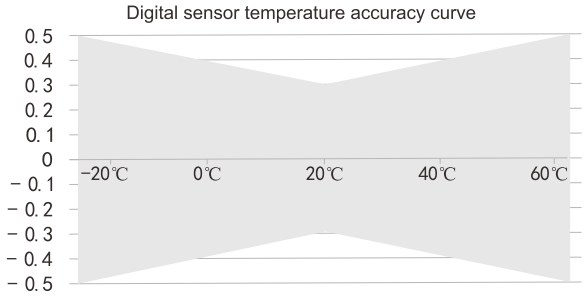
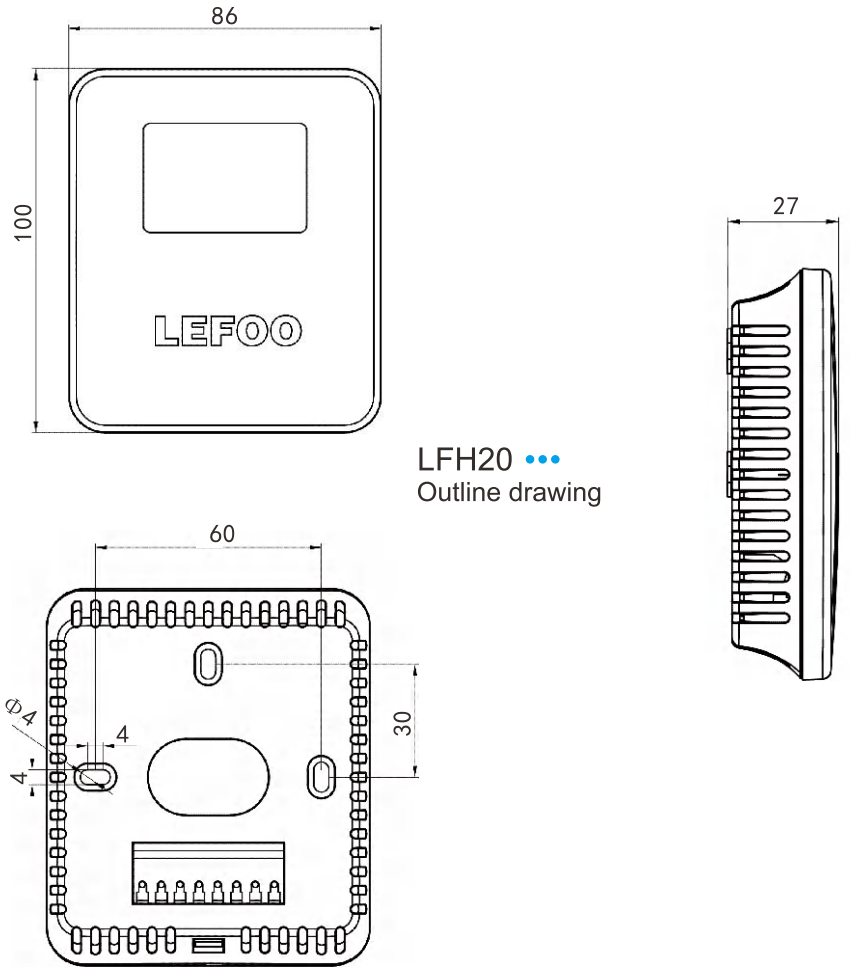
TEMPERATURE ACCURACY CURVE



DIMENSION (mm)



LFH20 •••
Outline drawing

ORDER REF NO.

code and Definition							Remark
LFH20	Indoor temperature and humidity transmitter Model						Model
	3	±3%RH(±0.3℃)					Accuracy
		V10	0~10VDC(3-wire)				Humidity Output
		A4	4~20mA(2-wire)				
		RS	RS485/Modbus				
		N	No output				
			V10	0~10VDC(3-wire)	2	NTC20K，±0. 4℃@25℃	Temperature Output
			A4	4~20mA(2-wire)	3	NTC10K，±0.4℃@25℃	
			RS	RS485/Modbus	N	No output	
			0	PT1000，±0.2℃@0℃			
			1	PT100，±0.2℃@0℃			
				0	No		Temperature Range
				1	0~50℃		
				2	-20~60℃		
				8	other(customized)		
					0	No display	Display
					1	LCD display	
LFH20-	3	A4	A4	1	1		Selection example

1.Only when the temperature output option is V10 or A4, the corresponding temperature range 1-8 should be selected; otherwise, only 0 can be selected.

2.The product sensor probe is prolonged exposure to high concentrations of chemical gases may cause the sensor readings to shift.

3.**Example 1**: LFH20-3A4A411 represents indoor type, temperature and humidity accuracy is ±3%RH (±0.3℃), humidity output 4~20mA, temperature output 4~20mA, temperature range 0~50℃, with display.

Example 2: LFH20-3NRS01 represents indoor type, temperature accuracy is ±0.3℃, no humidity output, temperature output RS485, no temperature range, with display.

Example 3: LFH20-3A4N01 represents indoor type, humidity accuracy ±3%RH, humidity output 4~20mA, no temperature output, no temperature range, with display.