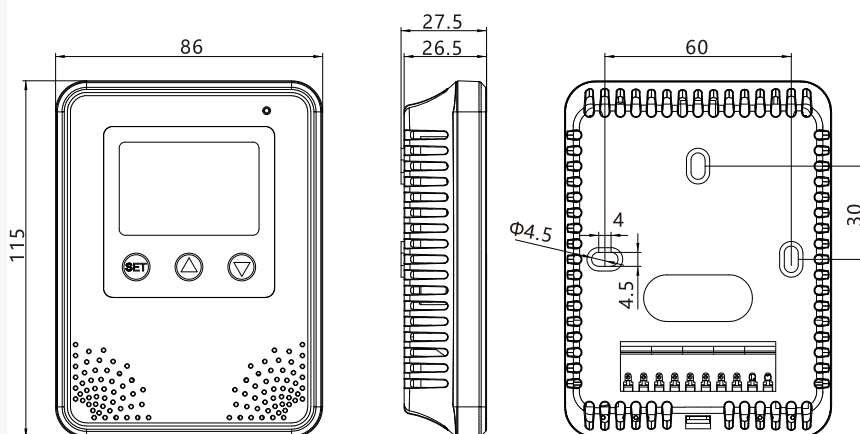


LFG303

Indoor dust Transmitter/Controller



Dimension in : mm

LFG303 PM2.5/PM10 Indoor Dust Transmitter/Controller uses a laser dust sensor to measure the concentration of PM2.5 or PM10 in the environment. The sensor has a long service life, is maintenance-free, responds quickly, has stable performance and high accuracy. It has a wide power supply range, complete overvoltage and reverse connection protection, and can provide current and voltage or RS485 output signals. If chose the relay output, it will be equipped with a display screen and buttons to set different relay working modes, and with the buzzer, it can be realized Comprehensive independent control/alarm function; provides six-color LED indicators to visually indicate the degree of environmental pollution; is compact and easy to install; can be widely used in various commercial complexes, smart building office environments, hospitals, schools and other places Air quality monitoring.

LFG303 Order Ref No

LFG303- IV0 - D - R

A B C

A Type	B Display Button	C Relay & buzzer(optional when equipped with display button)
IV0=4~20mA&0~10V@PM2.5	D=With display button	R=1xSPDT+1xbuzzer
IV1=4~20mA&0~10V@PM10	N=Without display button	S=1xSPDT
RS=RS485/Modbus		N=No

Specification

General	Value
Sensor	Laser dust sensor, detecting particle size 0.3~10μm
Sensor life	Mean time between failures ≥ 3 years
Measuring range	PM2.5: 0~500μg/m3,particle size 0.3~2.5μm Pm10: 0~600μg/m3,particle size 0.3~10μm
Accuracy/Consistency	PM2.5:±10μg/m3@0~100μg/m3,±10%FS@100~500μg/m3,@25℃
Resolution	1μg/m3
Preheat time	≤2min
Response time	Continuous measurement mode single response time <1S, comprehensive response time <10S
Power supply	15~36VDC / 24VAC±20%
Output Mode	4~20mA&0~10V RS485
Relay	1xSPDT 3A/30VDC 3A/250VAC
Working environment	0~50℃&0~95%RH(no condensation)
Storage temperature	-20~60℃&0~95%RH(no condensation)
Display and keys	The equipment can set parameters such as relay working mode
LED indicator light	Green:Good Yellow:Moderate Orange:Sensitive Red:Poor Purple:Unhealthy Crimson:Hazardous
Protection level	Ip30
Shell material	PC

Note: When using AC power supply for RS485 output products, an isolated 24VAC power supply is required!