技术要求：

1、折叠尺寸:67*80m m，风琴16折页,展开尺寸:1072*80m m

2、材质：128g铜版纸, 双面印刷，线框不印刷

3、折印要求清晰、位置准确，没有偏移

4、未注尺寸公差±1

5、印刷内容要求清晰，无断印、漏印、重影待印刷缺陷

80 mm

In-wall Air Quality Detector

User Manual

Thank you for purchasing and using this product. For your safety and rights, please read the instructions carefully before using this product. We will not be liable for any personal injury, property or other damage caused by your failure to follow the product instructions or to observe the precautions.

Notes for use

To ensure proper use, please read these precautions carefully and be sure to observe them.

Improper use may result in injury of a major accident such as death, serious injury, fire or property damage due to disregard of the contents of the warnings is extremely high.

- Please entrust your dealer or professional to install it.
- Before cleaning or maintenance, please cut off the power switch, prohibit water scrubbing, there is a risk of electric shock.
- Prohibit the operation with wet hands, there is a risk of electric shock.
- Avoid spraying with insecticides, disinfectants, and combustible spray materials is prohibited, as it may cause fire or device deformation.
- Do not use your hands to peel off the keys and LCD screen, there is a risk of electric shock.

Do not take off the front panel with your hands!

Product Description

The wall-mounted air quality monitor is an quality monitoring terminal that can be equipped with optional PM2.5 sensor, temperature and humidity sensor, formaldehyde sensor, CO2 and other sensors, and supports Wireless or RS485 communication. It can measure PM2.5, temperature, humidity, formaldehyde, CO2, TVOC, etc. at the same time. It can be widely used in schools, hospitals, offices, shopping malls, hotels, etc. to monitor indoor air quality and create a healthy, comfortable, efficient, environmentally friendly and energy-saving living and working environment.

Whether the room is displayed or not depends on the network connection

The screen will automatically wake up when someone approaches the device, and the screen will automatically go off when human leave away for about 30 seconds. (Distance and light induction mode)

Note：Please refer to the list of features for different models.

Item List

After opening the package, please confirm whether the detector is intact and whether the accessories are complete.

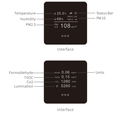
Item List	Quantity
1 Installed the Environmental Detector	1
User Manual	1
Certificate of conformity	1
M4 * 25 screws	2

Instructions for using the keys

Function	Operation method
wake up the screen	Short press (<1s) when the screen is off, then the screen will wake up
Stop off the screen	Short press (<1s) when the screen is on, then the screen turns off
Wireless Communication	Pair485
Short press to light up/ turn off the light. Long press > 3 seconds to trigger network configuration	Short press <1 second to display the current 485 address. Long press >5 seconds to reset the 485 address to 1

Measurement page

Dual screen scrolling display with automatic switching of measurement value pages at 5 second intervals.



Note: The detection function may vary from model to model, subject to the specific model.

Network Configuration

1.After the device is powered on, press and hold the function key for 5 seconds, the internet icon on the display will light up step by step, indicating that the device is in the state of waiting for network configuration. At the same time, the device will enter the network configuration mode.
2.The distribution time lasts flashes at an interval of 2 seconds.
3.Open the "Smart Life" or "Lifetrons" App, select "Sensor" and click "Create" to start the device configuration.
4.Choose "Smart Sensor" device you want to join in, and enter the wiring interface.
5.Click "Start Pairing", and wait for the device to finish pairing.
6.After successful network pairing, the display is always on, it indicates successful network access.
7.If a time-out error occurs, please repeat the steps above until it is successfully paired.

Press and hold the button for 5 seconds and then release

Concentration level description

PM2.5 (ug/m³)	PM10 (ug/m³)	Level	Air quality level
<75		Q	Good
75-150		Z	General
>150		Y	Poor

Technical parameters

Measurement parameters	PM2.5 ug/m³	PM10 ug/m³	CO2 ppm	TVOC mg/m³
Range	0-999	0-1	400-5000	0-9
Lighting method	Eight-tube			
Working voltage	220V-240V AC			
Working temperature	-10℃-+60℃			
Working humidity	0-95%(non-condensing)			
Size	86mm × 86mm ×30mm(L × W × D)			

Note: Please refer to the following table for function types.

Model	Functions
PMT300-S-ZTN	PM2.5/Temperature/Humidity
PMT300-S(M-ZTN)	PM2.5/Temperature/Humidity/Formaldehyde/CO2/TVOC/Distance and light sensors

Installation Instructions

After opening the package, please confirm whether the detector is intact and whether the accessories are complete.

① Installation Notes

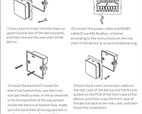
Before the wall installation, be sure to read the "Installation Instructions" carefully.

Warning:

- Please entrust your local dealer or professional to install it.
- Please do not disassemble it.
- The wiring should use the specified cable, and no external force should be applied to the connector terminal area.

② Product size drawing (unit:mm)

Installation method



① Use a tool to insert the screw at the upper hook slot of the device panel and then remove the rear shell of the device.

② Connect the wiring cables and RS485 cables (if not WiFi Models), is wired according to the instructions on the rear shell of the device (is unnecessary for wiring, skip this step).

③ Install the backshell inside the electrical bottom box, use the screws provided in the accessories to fix the backshell of the equipment inside the electrical bottom box, make sure the wiring cable is properly placed on the same plane after installation.

④ Buckle the front panel back onto the rear shell of the device, and then snap the front panel of the device into the lower hook, and then hook on the installation.

Note: Please turn off the air switch before wiring, protection current of the air switch should ≥4A.

Precautions and common troubleshooting

Common troubleshooting	Phenomenon and possible causes	Solution
Wireless network connection failure	Check if the network cable is connected	Check if the network cable connect to the power cord and turn on again
	Check if the network is normal	Check if the network is working and restart network signal router
	The device is not in pairing state	Check if the device is in pairing configuration state for more than 3 seconds, then retry
	Incorrect network configuration	Re-configure the network according to the instructions
	Too many devices connected to the router	Reduce the number of devices connected to the router, or upgrade the router
	Distance too far	Move the device closer to the network, or add a network extender
Data is not displayed on the screen	Check if the power supply is normal	Check if the power supply, use a soft cloth to gently wipe the surface of the shell, please do not use organic solvents to clean
	Check if the sensor is damaged	If the sensor is damaged, please contact the seller yourself, and the product must be inspected and repaired by our authorized after-sales service personnel in case of damage.
Data is not accurate enough	The sensor is not in the same room, and the ambient temperature and humidity are different	It is normal for PM2.5 particulate matter and formaldehyde in the air are not uniformly distributed, so it is normal to have deviations in the measured values if the sensor is not placed in the same room, and the overall values can reflect the air quality situation here.
	Check if the sensor is in the direct sunlight	Higher temperatures will promote formaldehyde emission, and formaldehyde values may be higher when heating in the hot summer or winter.
	Check if the sensor is in the kitchen, bathroom, or other places with high humidity	Interior walls, furniture, etc. may release formaldehyde, causing higher readings. Ventilate regularly to keep the indoor air fresh.
	Check if there are other sources of pollution in the room	Cigarette smoke, incense burning, and other cooking fumes can affect the sensor readings. Please avoid these sources of pollution when conducting testing.
	Check if the sensor is too close to the power outlet	Interference from other electrical appliances may affect the sensor readings. Please keep the sensor at a distance from other electrical appliances.
	Check if the sensor is too close to the heat source	Heat from appliances may affect the sensor readings. Please keep the sensor away from heat sources.
	Check if the sensor is too close to the air conditioner or fan	The airflow from air conditioners and fans may affect the sensor readings. Please keep the sensor away from these devices.
	Check if the sensor is too close to the window	Direct sunlight or outdoor air flow may affect the sensor readings. Please place the sensor in a shaded area or indoor location.
	Check if the sensor is too close to the door	Frequent opening and closing of doors may affect the sensor readings. Please place the sensor in a stable location.
	Check if the sensor is too close to the ventilation system	The ventilation system may affect the sensor readings. Please place the sensor away from the ventilation system.
	Check if the sensor is too close to the refrigerator	The refrigerator may affect the sensor readings. Please place the sensor away from the refrigerator.
	Check if the sensor is too close to the washing machine	The washing machine may affect the sensor readings. Please place the sensor away from the washing machine.
	Check if the sensor is too close to the microwave oven	The microwave oven may affect the sensor readings. Please place the sensor away from the microwave oven.
	Check if the sensor is too close to the TV	The TV may affect the sensor readings. Please place the sensor away from the TV.
	Check if the sensor is too close to the computer	The computer may affect the sensor readings. Please place the sensor away from the computer.
	Check if the sensor is too close to the mobile phone	The mobile phone may affect the sensor readings. Please place the sensor away from the mobile phone.
	Check if the sensor is too close to the wireless router	The wireless router may affect the sensor readings. Please place the sensor away from the wireless router.
	Check if the sensor is too close to the speaker	The speaker may affect the sensor readings. Please place the sensor away from the speaker.
	Check if the sensor is too close to the microwave oven	The microwave oven may affect the sensor readings. Please place the sensor away from the microwave oven.
	Check if the sensor is too close to the TV	The TV may affect the sensor readings. Please place the sensor away from the TV.
	Check if the sensor is too close to the computer	The computer may affect the sensor readings. Please place the sensor away from the computer.
	Check if the sensor is too close to the mobile phone	The mobile phone may affect the sensor readings. Please place the sensor away from the mobile phone.
	Check if the sensor is too close to the wireless router	The wireless router may affect the sensor readings. Please place the sensor away from the wireless router.
	Check if the sensor is too close to the speaker	The speaker may affect the sensor readings. Please place the sensor away from the speaker.

- The product needs to warm up for about 5 minutes each time it is turned on, after which it can be used normally.
- Do not use for a long time in high temperature and high humidity, heavy grease and smoke environment.
- Do not use for a long time in places with high PM2.5 concentration, corrosive gas (such as sulfur dioxide, nitrogen dioxide, chlorine, HCl, etc.)
- Do not subject the product to strong shocks and vibrations, which may damage the product and its accessories and lead to product failure.
- When cleaning, please disconnect the power supply, use a soft cloth to gently wipe the surface of the shell, please do not use organic solvents to clean.
- Do not disassemble the product by yourself, please contact the seller yourself, and the product must be inspected and repaired by our authorized after-sales service personnel in case of damage.
- PM2.5 particulate matter and formaldehyde in the air are not uniformly distributed, so it is normal to have deviations in the measured values if the sensor is not placed in the same room, and the overall values can reflect the air quality situation here.
- Higher temperatures will promote formaldehyde emission, and formaldehyde values may be higher when heating in the hot summer or winter.
- Interior walls, furniture, etc. may release formaldehyde, causing higher readings. Please ventilate regularly to keep the indoor air fresh.

Toxic or Hazardous Substances or Elements of this Product

Component Name	Toxic or Hazardous Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr(VI))	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ether (PBDE)
LED	○	○	○	○	○	○
PCA	○	○	○	○	○	○
Lead-free solder	○	○	○	○	○	○

This table complies with SJ/T 11364.

○: Indicates that the toxic or hazardous substance amount contained in all homogeneous materials of a component does not exceed the limit specified in GB/T 26572.

×: Indicates that the toxic or hazardous substance amount contained in at least one of the homogeneous materials of a component exceeds the stipulated in GB/T 26572.

Warranty Certificate

Warranty policy:

1.If the product has quality problems within 7days of the payment date, you can apply for a refund based on the invoice price or to replace with the same model or have it repaired.

2.If the product has quality problems within 15 days from payment date, you can apply to replace the product with the same model or have it repaired.

3.If the product has quality problems within 12months of the payment date, you can apply to have it repaired

What is not covered under this warranty:

1.The product owner has no warranty certificate or the warranty service has expired

2.Damage caused by improper use, maintenance, or storage.

3.Damage caused by disassembly and repair without authorization.

4.Damage caused by force majeure.

5.Normal discoloration and degradation after the product has been used.

User Form

User information (Specify real information. We promises to use the information only for after-sales services.)

Name _____

Phone number _____

Email _____

Zip code _____

Address _____

Product information

Name _____ Model _____

Color _____ Product SN _____

Service ○Return ○Replace ○Repair

Fault symptoms _____

Handling date _____

Maintenance personnel signature _____

Vendor Form

User information (Specify real information. We promises to use the information only for after-sales services.)

Name _____

Phone number _____

Email _____

Zip code _____

Address _____

Product information

Name _____ Model _____

Color _____ Product SN _____

Service ○Return ○Replace ○Repair

Fault symptoms _____

Handling date _____

Maintenance personnel signature _____

In-wall Air Quality Detector

Please read the instruction manual carefully before using the product

1072.00 mm

嵌入式空气环境检测仪

设备说明书

使用本产品前，请仔细阅读本产品说明书

感谢您购买和使用本产品。为了您的安全和权益，在使用产品前请您仔细阅读本产品说明书，如果因未按照产品说明书操作或未遵守警示事项造成人身伤害、财物损失时的人身伤害，因产品说明书未遵守的警示，产品使用的风险非常高。

使用注意事项

为了确保正确使用，请仔细阅读以下注意事项，并按照此操作。

警告：因无视警告事项的内容导致的工、重伤、火灾或财产损失等重大事故的可能性很高。

- 请委托当地经销商或专业人员安装。
- 请勿拆解、改造。
- 禁止使用湿手，请勿用湿手去碰触开关。
- 禁止用杀虫剂、消毒剂、易燃喷雾剂，禁止用水洗。有发生触电的危险。
- 禁止用溶剂擦拭，有发生触电的危险。
- 禁止用油烟机、油漆机、切割机等容易产生静电的机器，否则可能引起火灾或损坏设备。
- 切勿用手剥离按键及液晶面板，有触电的危险。

切勿用手剥离前面板！

产品简介

智能开墙检测器集成了选配PM2.5传感器，温度度、甲醛、CO2等传感器，并支持无线或RS485的方式可以同时测量PM2.5、温度、湿度、甲醛、CO2、TVOC等一些产品参数，广泛应用于学校、医院、办公室、商场、酒店等场所来监测空气品质，创造健康、舒适、高效、节能、环保的生活工作环境。

无线连接或有线连接

距离和光线传感器

屏幕会在有人靠近的时候自动点亮，屏幕会在人离开大概30秒后自动熄灭。（距离和光线感应模式）

注：不同机型检测项目会有差别，以具体型号为准。

按键使用说明

功能	操作方法
开机唤醒	屏幕关闭状态下短按(<1s)，屏幕点亮
关闭屏幕	屏幕亮状态下短按(<1s)，屏幕关闭
无线配对	长按屏幕(>3s)，屏幕开始闪烁，进入配对状态
485地址查看	短按(<1s)显示当前485地址
485地址重置为1	长按(>5s)将485地址重置为1

测量页面

自屏幕点亮后，开屏幕显示面板间隔自动切换。

注：不同机型检测项目会有差别，以具体型号为准。

网络配置

1.设备通电后，长按功能键5秒，显示屏上的网络图标亮起来，网络配置指示会保持2秒闪烁一次，同时设备进入网络配置模式。

2.配网时间持续时间为2秒。

3.进入Lifetrons APP选择"添加新设备"→"传感器"→"嵌入式空气环境检测仪(Zigbee)"。

4.选择"智能传感器"，点击要添加的设备，开始配网。

5.点击"开始配对"，等待设备完成配网。

6.当显示屏上的网络图标常亮，表示入网成功。

7.如果设备入网超时，请重复以上配网操作。

浓度等级划分

PM2.5 (ug/m³)	质量等级	空气质量等级
<75	Q	良好
75-150	Z	一般
>150	Y	差

技术参数

设备参数	PM2.5 ug/m³	甲醛 ppm	CO2 ppm	TVOC mg/m³	温度 ℃	湿度 %RH
量程	0-999	0-1	400-5000	0-9	-10~+60	0~95
显示方式	12位数码管					
工作电压	220V-240V AC					
工作温度	-10℃~+60℃					
工作湿度	0-95%(非冷凝)					
尺寸	86mm×86mm×30mm(L×W×D)					

注：不同机型检测项目会有差别，以具体型号为准。

产品型号	检测项目
PMT300-S-ZTN	PM2.5/温度/湿度
PMT300-S(M-ZTN	PM2.5/温度/湿度/甲醛/二氧化碳/TVOC/距离和光照度

安装部分

①开启盒子后取出产品及说明书，配件及螺丝等。

②安装方法：

为确保正常安装，请将此螺丝安装在墙体下面或侧面的暗盒内，以免影响美观。

③将工具插入螺丝槽处将面板下部盖上面的盖，取下面板的四周。

④将背盒安装在电源开关处，对齐螺孔，将面板固定。

⑤将背盒的尾部卡扣卡到电源开关，将面板卡扣卡紧。

⑥将面板扣回背盒，将面板卡扣卡紧即可。

备注：接线前请断开空开，请安空开规格保护电流≥4A。

注意事项与常见故障排除

故障现象	现象说明	解决方法
无法无线连接	检查网络线是否连接	检查网络线是否连接电源开关
	检查设备是处于配网状态吗	长按键盘设置设备处于配网状态
	检查设备是否在有效配网时间内	在有效时间内重新配网
	检查配置是否正确	按说明书重新配置
	检查连接设备数量是否过多	减少连接设备数量或升级路由器
数据不显示	检查电源是否正常	检查电源，使用柔软布擦拭表面，请勿使用有机溶剂清洁
	检查传感器是否损坏	如传感器损坏，请联系卖家或授权售后服务人员进行维修
数据不准确	检查传感器是否在同一房间	由于PM2.5颗粒物和甲醛在空气中分布不均，传感器不在同一房间时，整体数值仅供参考
	检查传感器是否在直接阳光下	高温会加速甲醛释放，夏天或冬天加热时甲醛值可能会较高
	检查传感器是否在厨房、卫生间等高湿度环境	墙体、家具等可能释放甲醛，请定期通风换气保持室内空气新鲜
	检查是否有其他污染源	烟草烟雾、焚香及烹饪油烟等可能影响传感器读数，请避免在测量时进行吸烟、焚香等行为
	检查传感器是否在空调或风扇附近	空调或风扇产生的气流可能影响传感器读数，请将传感器远离这些设备
	检查传感器是否在窗户附近	阳光照射或室外空气流动可能影响传感器读数，请将传感器安装在阴凉处或室内稳定位置
	检查传感器是否在门附近	频繁开关门会影响传感器读数，请将传感器安装在稳定位置
	检查传感器是否在通风系统附近	通风系统可能影响传感器读数，请将传感器安装在远离通风口的位置
	检查传感器是否在冰箱附近	冰箱可能影响传感器读数，请将传感器远离冰箱
	检查传感器是否在洗衣机附近	洗衣机可能影响传感器读数，请将传感器远离洗衣机
	检查传感器是否在微波炉附近	微波炉可能影响传感器读数，请将传感器远离微波炉
	检查传感器是否在电视附近	电视可能影响传感器读数，请将传感器远离电视
	检查传感器是否在电脑附近	电脑可能影响传感器读数，请将传感器远离电脑
	检查传感器是否在手机附近	手机可能影响传感器读数，请将传感器远离手机
	检查传感器是否在无线路由器附近	无线路由器可能影响传感器读数，请将传感器远离无线路由器
	检查传感器是否在音箱附近	音箱可能影响传感器读数，请将传感器远离音箱
	检查传感器是否在微波炉附近	微波炉可能影响传感器读数，请将传感器远离微波炉
	检查传感器是否在电视附近	电视可能影响传感器读数，请将传感器远离电视
	检查传感器是否在电脑附近	电脑可能影响传感器读数，请将传感器远离电脑
	检查传感器是否在手机附近	手机可能影响传感器读数，请将传感器远离手机
	检查传感器是否在无线路由器附近	无线路由器可能影响传感器读数，请将传感器远离无线路由器
	检查传感器是否在音箱附近	音箱可能影响传感器读数，请将传感器远离音箱

限制元素或元素名称识别表

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
LED	○	○	○	○	○	○
线路板	○	○	○	○	○	○
杂质及其他部件	○	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○：表示该有毒有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。

保修卡

保修信息

1.本产品售出之日起7日内，发生性能故障，消费者可以选择退货、换货或维修。

2.产品自售出之日起1个月内，发生产品质量问题，可为您提供保修服务。

非保修范围

1.无“三包”有效凭证。

2.未按产品说明要求使用、维护和安装而造成的损坏。

3.未经授权或检测报告造成的损坏。

4.因不可抗力造成的损坏。

5.产品在使用过程中正常的磨损和耗材在保修范围之中。

产品合格证

本产品经检测合格，准予出厂

检验员/

用户存根联

用户信息（请用户填写真实信息，我司承诺用户信息仅用于售后服务）

姓名_____

电话_____

电子邮箱_____

邮政编码_____

联系地址_____

产品信息

名称_____型号_____

颜色_____包装号SN_____

需要服务 ○退货 ○更换 ○维修

故障现象_____

受理日期_____维修责任字_____

厂家存根联

用户信息（请用户填写真实信息，我司承诺用户信息仅用于售后服务）

姓名_____

电话_____

电子邮箱_____

邮政编码_____

联系地址_____

产品信息

名称_____型号_____

颜色_____包装号SN_____

需要服务 ○退货 ○更换 ○维修

故障现象_____

受理日期_____维修责任字_____

嵌入式空气环境检测仪

使用产品前请仔细阅读使用说明书