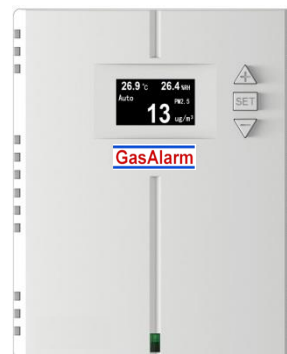
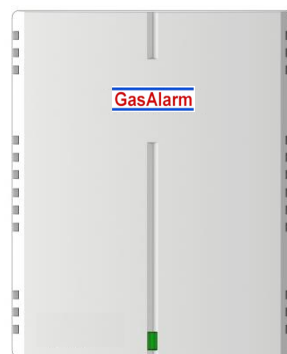


Indoor Air Quality Monitor

- *Real-time detecting indoor PM2.5/PM10, CO2, TVOC, Temperature and relative humidity*
- *Built-in self-owned patent measurements of temperature and humidity compensation technology*
- *Suitable for hotels, residential projects to analyze indoor air quality, and to control ventilation systems, etc.*
- *Wall mounting, provide Modbus RS485*
- *Basic function of indoor air detector*



Features

- IAQ detector designed for economic use
- 7-24 hours online real-time IAQ detection
- Real-time output PM2.5/PM10, CO2, TVOC and Temperature & humidity data
- A special correction algorithm inside to ensure the measurements not be affected as environmental change
- Modbus RS485 interface
- Available & suitable for networks in existing and modern buildings
- OLED displays real-time data (optional)
- 3-color lights indicates the 3 ranges of IAQ measurements
- Wall mounting and 24VAC/VDC power supply
- RJ45 Ethernet interface product customizable

Applications

- Smart Home Systems
- Residential projects
- Hotels, class rooms, offices and other public places where need IAQ monitoring with civil level
- Air quality monitoring in other public places

Specifications

General Data	
Detection Parameters	PM2.5/PM10; CO2(optional); TVOC(optional); temperature & humidity
Output	RS485 (Modbus RTU) RJ45 (Ethernet)
Display screen (optional)	High quality clear OLED screen. Able to set up monitoring data display mode: Shows some data or one data, manually switch the screen to show data.

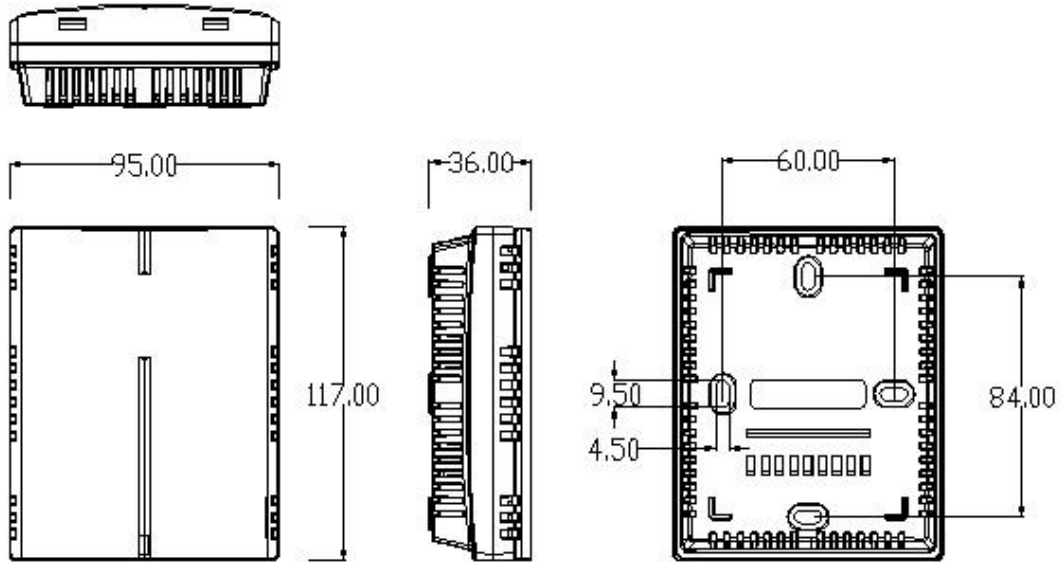
Operating Environment	Temperature: 0~50°C Humidity : 0~99%RH
Storage condition	-10°C~50°C Humidity : 0~70%RH (No condensation)
Power supply	24VAC±10%, or 18~24VDC
Overall Dimension	94mm(L)×116.5mm(W)×36mm(H)
Material of Shell & IP Level	PC/ABS fire-proof material / IP30
Installation	Concealed installation: 65mm×65mm wire box Open installation: Optional mounting bracket
PM2.5/PM10 Data	
Sensor	Laser particle sensor, Light scattering method
Measuring Range	PM2.5: 0~1000µg/m ³ PM10: 0~1000µg/m ³
Output Resolution	1µg/m ³
Zero Point Stability	±5µg/m ³
Accuracy	<±15% (@ 25°C, 10~50%RH)
CO₂ Data	
Sensor	Non-Dispersive Infrared Detector (NDIR)
Measuring Range	400~2,000ppm
Output Resolution	1ppm
Accuracy	±75ppm or 10% of reading (@ 25°C, 10~50%RH)
TVOC Data	
Sensor	TVOC module
Measuring Range	0~ 3.5mg/m ³
Output Resolution	0.001mg/m ³
Accuracy	±0.05mg+10% of the reading (0~ 2.0mg)
Temperature and Humidity Data	
Sensor	High precision digital integrated temperature and humidity sensor
Measuring Range	Temperature : -20°C~60°C / Humidity : 0~99%RH
Output Resolution	Temperature : 0.01°C / Humidity : 0.01%RH
Accuracy	Temperature : <±0.5°C@25°C Humidity:<±3.0%RH (20%~80%RH)

Models Guide

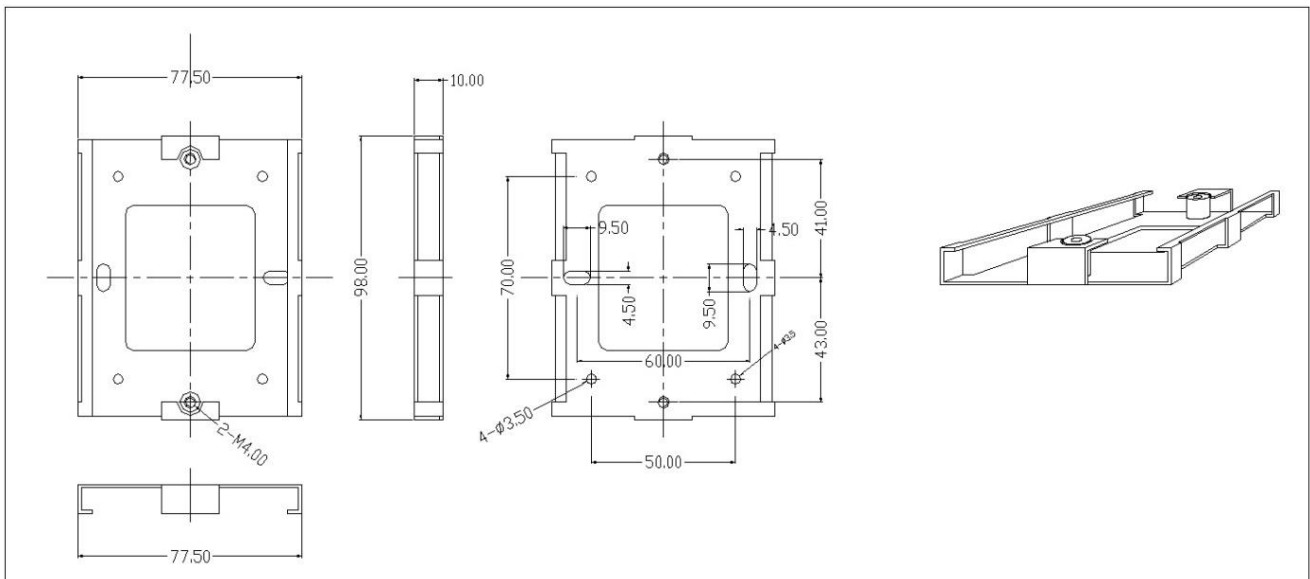
Model	PM2.5/ PM10	Temp/ RH	CO2	TVOC	24VAC/VDC Power Supply	Output
GA-AA11C	●	●			●	RS485 (Modbus RTU)
GA-AA13C	●	●	●		●	
GA-AA18C	●	●	●	●	●	

TSP-1631C	•	•			•	RJ45 (Ethernet)
TSP-1633C	•	•	•		•	
TSP-1638C	•	•	•	•	•	

Installment



Installation bracket diagram (if you want to install, need to install the bracket)



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