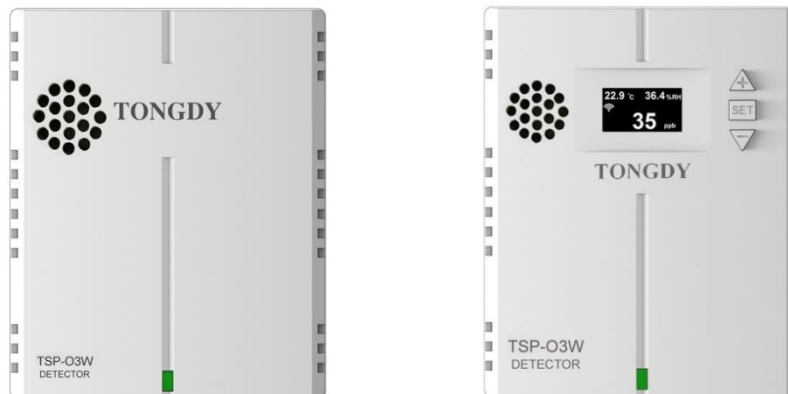# TSP-O3W

Ozone monitor with WIFI communication

- *Real-time detecting Ozone in ambiance and indoor*
- *Wall mounting, WIFI communication interface, an expansion Modbus RS485 serial port*
- *Electrochemical ozone sensor inside, with temperature and humidity compensation*
- *Ozone sensor modular design, easy for replacement*
- *Optional OLED display*
- *24VDC/VAC or 100~230VAC power supply*
- *Provide the wall mounting bracket*

Applications

- Remote ozone monitoring in disinfection and sterilization places such as hospitals and pharmaceutical workshops
- Monitoring indoor environment ozone of office buildings, hotels, shopping malls, libraries and other public places
- All other applications that require collection and analysis of ozone data

Specifications

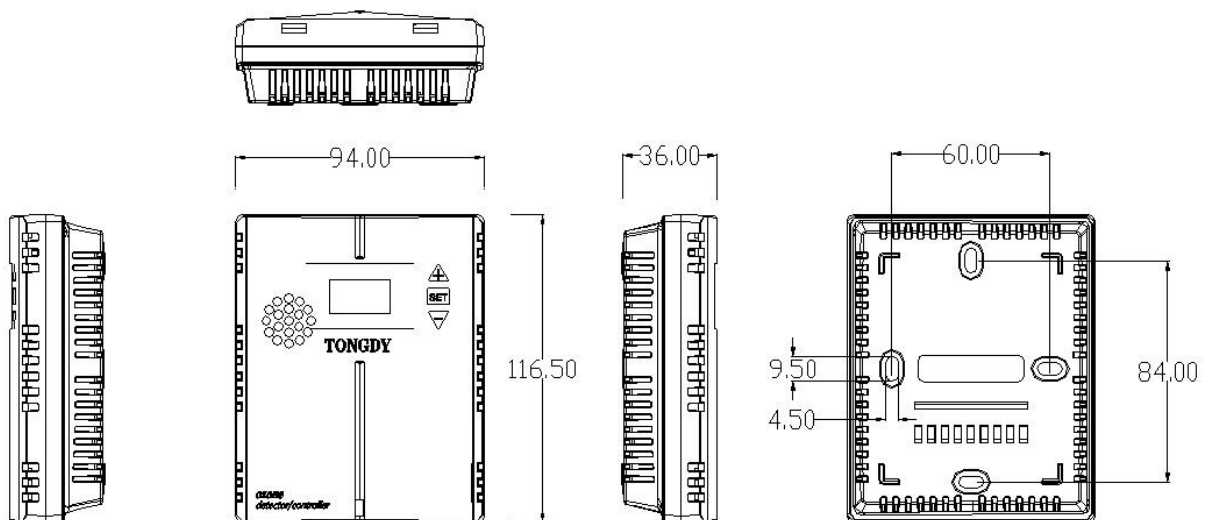| General Data	
Power supply	24VAC/VDC±10% 100~230VAC　　　　　(Either-or)
Power	2.0W　(Average power)
Working environment	0~50℃/ 0~95%RH
Storage environment	-5℃~60℃,0~90%RH(No condensation)
Dimension/Net weight	95(W)X117(L)X36(H)mm / 260g
Manufacturing process	ISO 9001 certified
Housing and IP class	PC/ABS fire proof plastic，　IP30 protection class
Compliance	CE-EMC certificate
Ozone Sensor	
Sensor element	Electrochemical O3
Sensor lifetime	>2 years, sensor modular design, easy to replace
Warm uptime	<60 second
Response time (T90)	<120 second
Signal update	1 second
Measuring Range	0-500ppb(Default)/1000ppb/5000ppb/10000ppb　optional
Accuracy	±20ppb + reading 5%　(20℃/ 30-60%RH)
Display resolution	1ppb (0.01mg/m3)
Stability	±0.5%
Zero drifting	<1% every year
Humidity Monitoring	Optional
Output	
Analog Output	OLED display showing real-time measurement of ozone and temperature& Humidity.
Communication interface	WIFI @2.4 GHz 802.11b/g/n
Data transmission	Measurement averages per minute / hour / 24 hours
Serial port extension	RS485 (Modbus RTU) Communication rate: 9600bps (default), 15KV antistatic protection
Indicator light	Green: The ozone sensor is working properly Red: No ozone sensor output

Models guide

Model	Ozone	Temp. &RH	24VAC/VD Power Supply	100~230VAC Power Supply	Display	Communication interface
TSP-O3-W021C	●	●	●			WIFI @2.4 GHz 802.11b/g/n
TSP-O3-W021D	●	●		●		
TSP-O3-W121C	●	●	●		●	
TSP-O3-W121D	●	●		●	●	

Above model with suffix can choose measuring range：

-005 means 0~500ppb　　（default）
-010 means 0~1000ppb
-100 means 0~10000ppb
-200 means 0~20000ppb

Dimension and mounting

Installation bracket for wall mounting