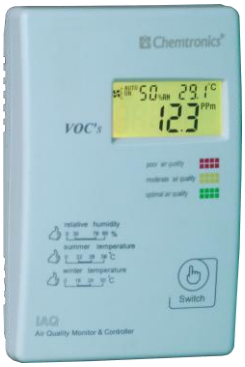


Chemtronics®

VOC Sensor

Model No: C/VOC-30-MC

VOC + Temperature + Humidity

Monitoring Control & Display

User Manual

Specification

Sensing Element	Semiconductor mix gasses sensor with high sensitive for below gasses: Combustion gas and odorous gases within the room (smoke, body odor, timber dope and toluene emitted by other building materials), low concentration odorous gases (ammonia, H2S, CO, alcohol and natural gas)
Temperature Sensor/Humidity Sensor	NTC 5K thermistance / HS Series Capacitive Sensor
Power Supply	GO2-VOC-B340A 220VAC±10% 50/60HZ
Consumption	2.8W
Warm up Time	72 Hours (First Time) 1 Hour (Normal Operation)
Temperature Measurement Range	Measurement Range 0~ 50°C Comfortable Range: Summer 22°C ~ 28°C / Winter 18°C ~ 24°C
Humidity Measurement Range	Measurement Range 0 ~ 95% RH Comfortable Range: 30 ~ 70% RH
VOC Measurement Range	0-30 ppm
LCD Backlight	Green—optimal air quality (<12.0)Enjoy the indoor air —moderate air quality(12.1 ~ 20.0)Ventilation can be used Red —poor air quality Immediate ventilation,find out the Pollution source and remove it out of the room
Sound Alarm	When the LCD Backlight is red, the inner buzzer alarm will be activated
Control Output(just for B32)	1xRelay output to control a ventilator or air-purifier, Max current 3A resistance (220VAC)
Operation condition / Storage condition	Operation condition: -20°C~ 60°C(-4°F ~ 140°F)/0 ~ 95%RH Storage condition : 0°C ~ 50°C(32°F ~ 122°F) / 5 ~ 90% RH
Net Weight	190g
Dimensions	130mm(height)x85mm(width)x36.5mm(D)
Installation Standard	Desktop or wall mount (65mmX65mm or 85mmX85mm or 2"x4" wire box)
Wiring Standard	Wire section area<1.5mm²
Quality System	ISO 9001
Housing	PC/ABS Fire-proof, IP30 protection
Certificate	CE
Version	V.F6391 - HS 1101LF - Q Touch - SHT11-2

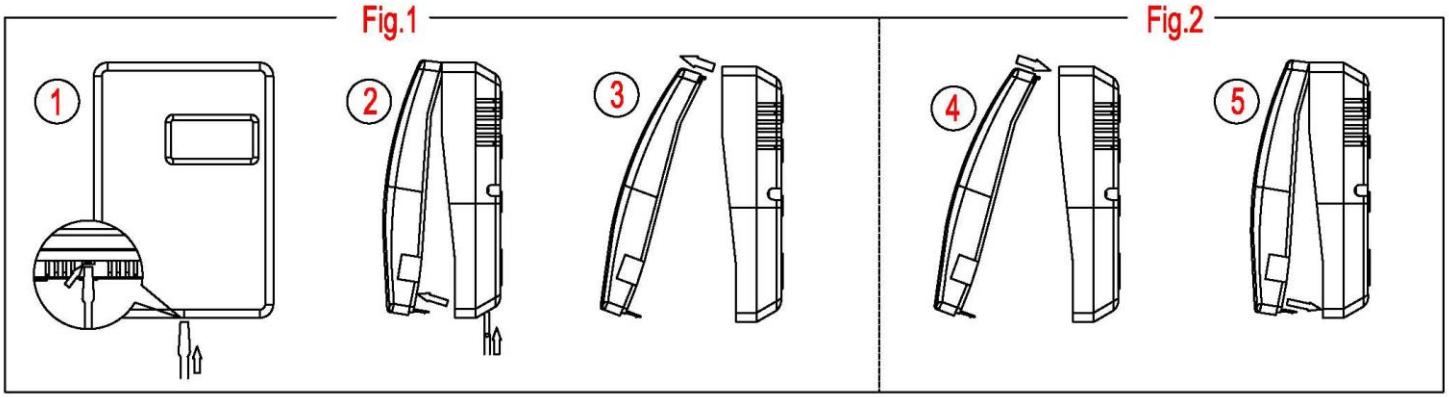
Important Safety Information

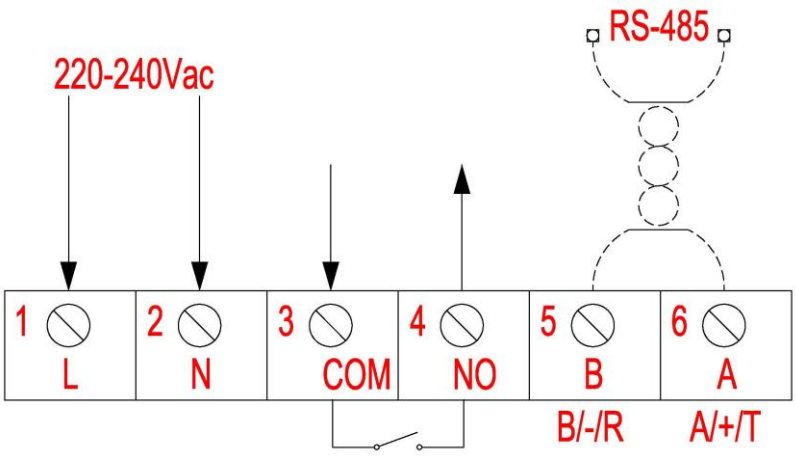
- Always cut off power before mounting, removing, and cleaning the monitor.

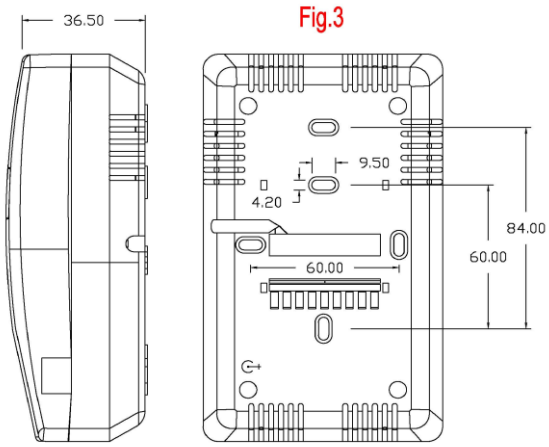
Mounting and Wire Connection

- Do not mount it behind the door, in the corner or near heat source, diffuser or any steam source, in direct Sunlight; Also do not mount it near the garbage bin, gas oven to prevent the evaluation error of the alarm.

- Cut off power and mount the wall plate as below steps:
  Put a flat head screwdriver deep inside of the hole on the bottom of the monitor casing, then depress the clip light to remove the face plate from the wall plate according to the step 1-3 in the figure-1
  Mount the monitor on the wall and height from the ground is 1.2m 1.3m, please see the mounting dimension and fixing hole in figure-3.
  Connect wires to terminal strips, (see figure 4) Make sure wiring connection correct and secure.
  After Finishing the mounting, follows the step 4-5 in the figure 2 to close the cover.



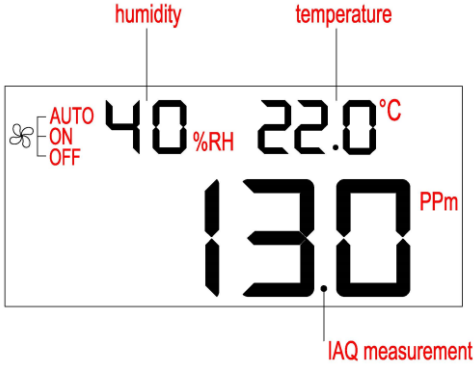




Operations

- Turn on the power, a red light at low position of the cover can be seen, meanwhile the LCD screen activated in green. The measured temperature and the relative humidity displays on the upper line of the LCD and the second line is the VOCs value. The VOCs value will be started from 0.0 and keep rising until reaches at a fixed value which is the measured VOCs value. If the alarm is used firstly or uses again after power off for a long time(more than one month), the warm up time is 72 hours, then the measurement will be steadily. In normal operation, the warm up time is 1 hour.
- Touch button: The touch button is used to operate the alarm as below table.

LCD Display	Ventilator	Buzzer alarm
AUTO+ON	Auto run	valid
AUTO+OFF	Auto run	invalid



ON	Always on	invalid
OFF	Off	invalid
The circle order: AUTO+ON ▶ AUTO+OFF ▶ ON ▶ OFF ▶power off		

- There are 4 setting values which to control the output to select:
  Turn of the power and find the two DIP switches on the circle board through the notch on the back plate.
  Turn the DIP2 up for ON,down for OFF.

DIP2-1	DIP2-2	Air pollution measurement
OFF	OFF	13
OFF	ON	15(default)
ON	OFF	18
ON	ON	20