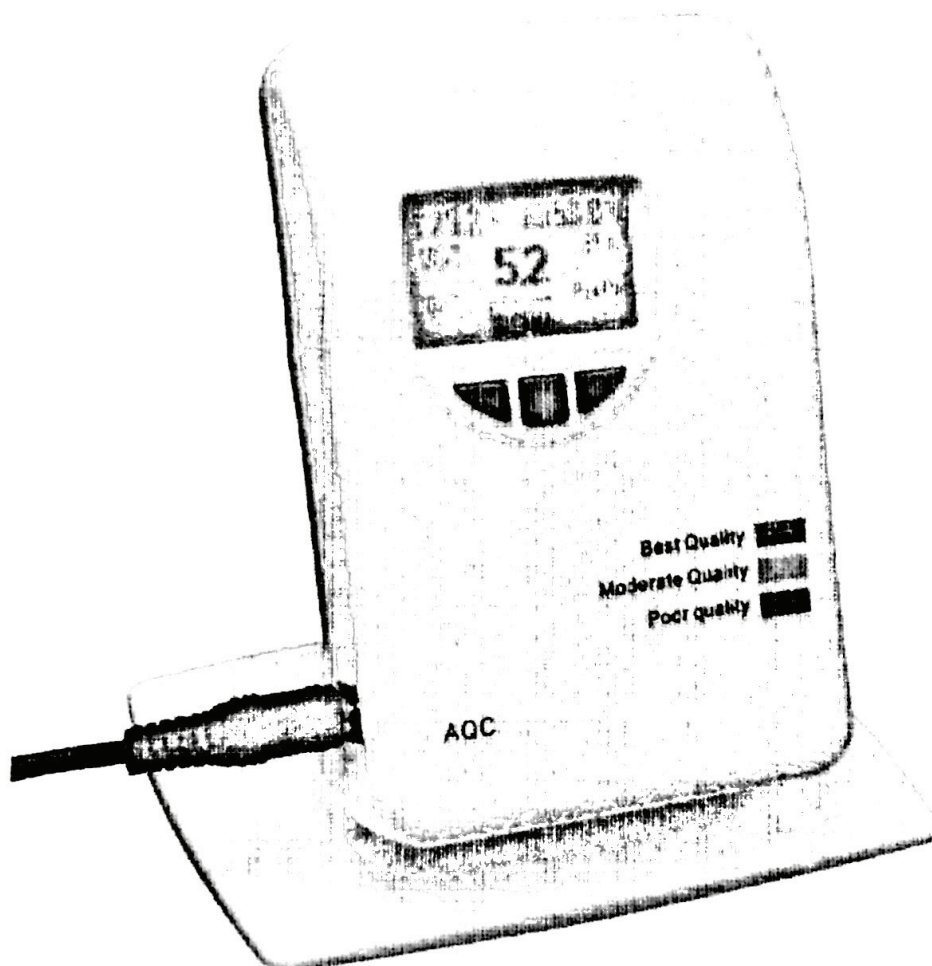


Indoor air quality Monitor/Alarm

Indoor Air Quality + Temperature + Humidity Detection

Three-color max dot display with LCD backlit, Desktop or Wall Mounting



AQC910.1V-DO IAQ Monitor/Alarm

AQC910.1V-DO monitor is specially designed in detector and control the indoor air quality— environment protector.(Matrix dot display LCD with three color, Desktop or wall mounting) . Its internal mix gases sensor has high sensitivity not only to VOC such as toluene and formaldehyde from wood finishing and construction products but also to other air contaminants which are emitted by cigarette smoke, ammonia, hydrogen sulfide etc. It's also sensitive to carbon monoxide, alcohol, disinfectant and other bad smells. So it is more suitable for monitoring IAQ than any other sensor that for a single kind of gas.,AQC910.1V-DO has one output to control the auto fan (Ventilation equipment, Fresh air device)which could change the poor indoor air quality. Application: Home environment, Office environment. Installation place such as bedroom, sitting room, study and dinner room, kindergarten, classroom, office, car, restaurant, and other public places

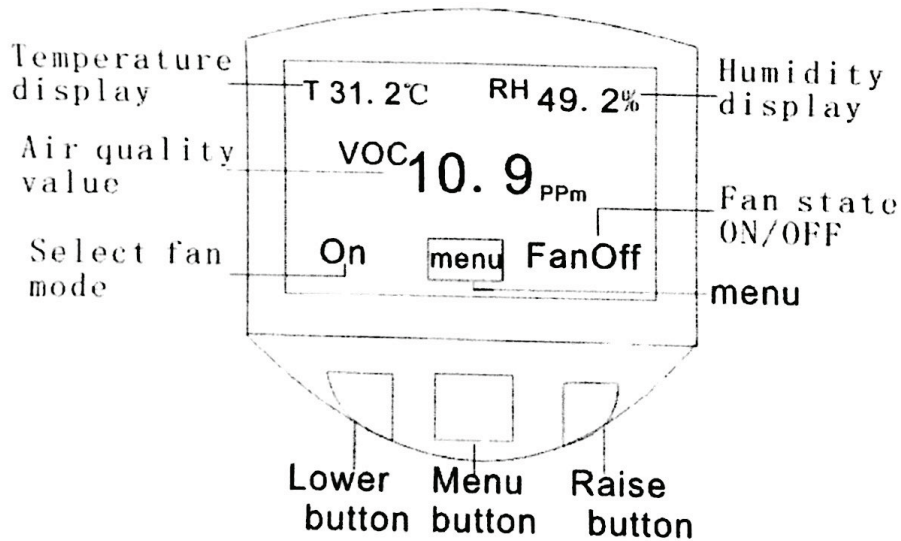
Feature

- ◆ Real time monitor ambience air quality. Includes the other air contaminants
- ◆ Highly sensitive to many harmful gases, such as harmful gases from construction and decoration materials, VOCS such as formaldehyde and toluene, ethanol, ammonia, hydrogen sulfide, sulfur dioxide and other harmful gases
- ◆ Presetting bad air quality output change indoor air quality
- ◆ Japanese semiconductor mix gases sensor's lifetime more than 7 years
- ◆ Matrix dot display LCD with three color(green/yellow/red)color indicating quality at optimal/moderate/poor and buzzer alarm
- ◆ Provide one relay output to control a ventilator
- ◆ Temperature and humidity detection and display
- ◆ Detector home and office environment with long time stability
- ◆ 220VAC or 24VAC/VDC power selectable; power adaptor available; desktop and wall mounting type available
- ◆ Languages option

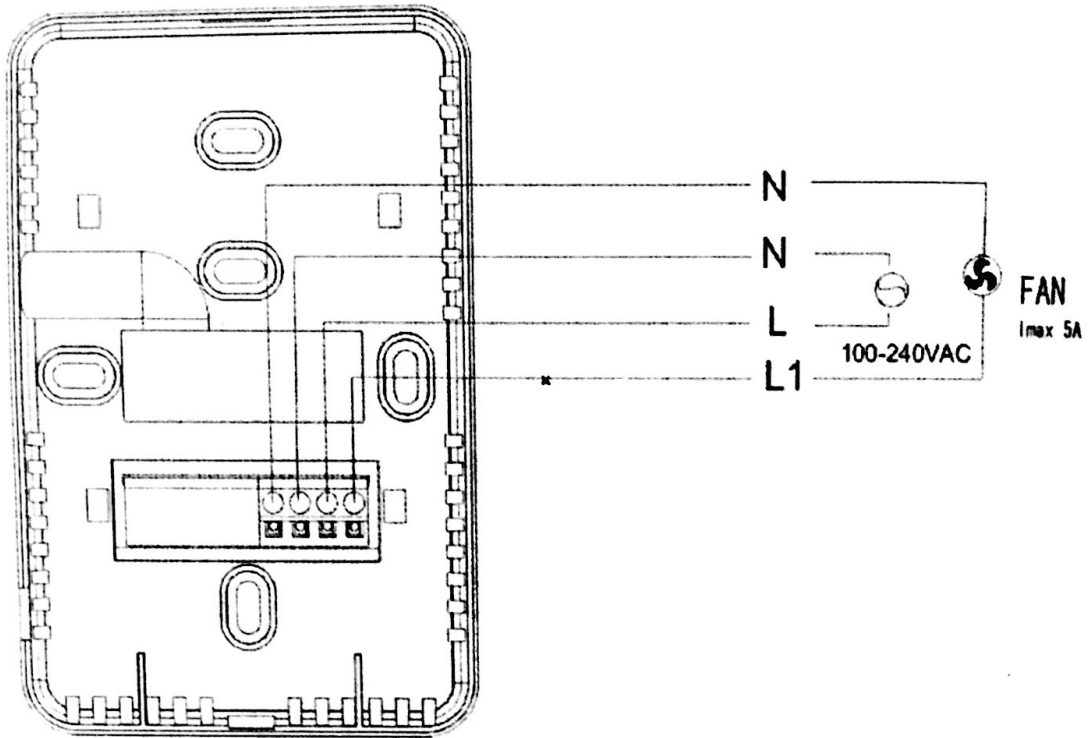
Technical Data

Accuracy	± 0.3°C
Power Supply	24VAC/MDC, 230VAC
Signal update	3S
Output	xRelay output to control a ventilator or air-purifier,max current 3A resistance (220VAC)
Buzzer alarm	Alarm starts when VOC value above 25ppm
LCD backlit	Green—optimal air quality ► enjoy the air quality
	Yellow—moderate air quality ► ventilation suggested
	Red— poor air quality ► ventilation immediately
VOC measuring range	0-50ppm(1ppm= 1 part per million)
Display resolution	0.1ppm
VOC setting resolution	0.1ppm
Preheat time	3 Seconds
Consumption	2.4W
Warning alarm	Inner buzzer alarm and also three colors backlit switch as well
Housing	PC/ABS fire-proof, IP30 protection
Wiring standard	Wire section area <1.5mm ²
Dimension	130mm(L)*85mm(W)*37mm(H)
Installation standard	Desktop or wall mount (65mm×65mm or 85mm×85mm or 2"×4" wire box)
Quality system	ISO9001

KEYBOARD, DISPLAY AND SWITCH DESCRIPTION

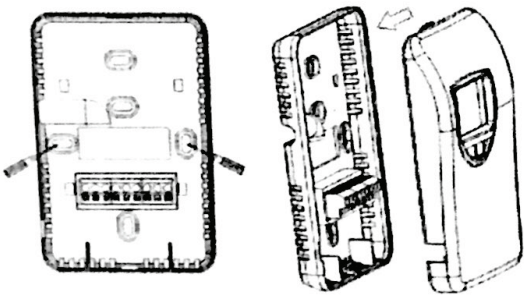


Wiring Diagram

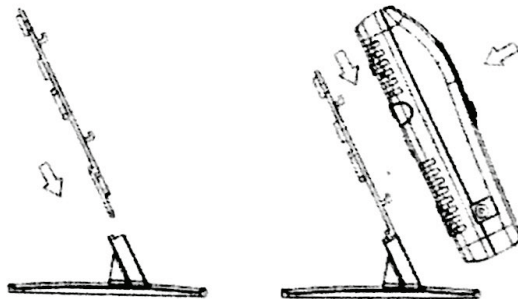


Installation

WALL MOUNT



DESKTOP



Operation

The menu includes three functions: "Select fan model," "Menu setting" "Save and exit".

● Select Fan Mode

Choose fan mode: Press "Menu" button, then enter into "Select fan model", It displays : (1) Timing (2) Auto (3) on .

Factory default is "Auto"

Item 1 Timing

- 1) Timing: (1) Timing on/ Timing off/ Circulating fan control ON/OFF, first timing on running.
- 2) Press "+/-" choose "Timing on" Timing off". Then press OK" exit to "select fan mode". Press button ▲ or ▼
Select "save and exit". The left corner of LED will display "Timing"
- 3) Timing on: 5mins-340mins
- 4) Timing off: 5mins-340mins

Item 2 Auto

- 5) In this item, the detector will compare the setting VOC with the detect VOC to control the fan auto on/off
- 6) Press "+/-" to set VOC value. When Setting VOC value is higher than detect VOC value. the fan will auto off. When setting VOC value is lower than detect VOC value, the fan will auto on. Press button ▲ or ▼
- 7) Select "save and exit". The left corner of LED will display "Auto"
- 8) Voc value setting range: 0PPm~50PPm.

Item 3 On

- 1) In this item you allow to choose fan on. Select "on" exit "select fan mode". Press button ▲ or ▼
Select "save and exit". The left corner of LED will display "fan on"

● Menu Setting

This item provide includes:

- 1) Select temperature recalibrates Adjustment: 3 LO to 3 HI. Factory default: "0"
- 2) Select humidity recalibrates adjustment: 8LO to 8HI%RH. Factory default: "0"
- 3) Select VOC recalibrates adjustment: 8LO to 8HI ppm. Factory default: "0"
- 4) Buzzer alarm : ON/OFF. Factory default: ON
- 5) Language: Chinese/English. Factory default: English

● **Save And Exit**

Save and exit: When choose all of above items. exit to "menu" function select item. Press ▲ or ▼ choose "save and exit". Above setting If no buttons are pressed within 30seconds, the records will auto save settings.

Backlight color instructions

When the environmental quality changes, backlight color also will be change automatically.

Green: VOC<15ppm Good air quality

Yellow: VOC15~25ppm Moderate air quality

Red: VOC>25ppm Poor air quality

CUSTOMER ASSISTANCE

After reading this guide, if you have any question about the operation of your thermostat, please contact your installer or service provider.