

AQM-ZN Series

MIT Air Quality Monitor

Detection Type: CO, CO2, PM2.5, PM10, TVOC, Temperature, and Humidity



AQM-ZN Series can be used in a wide variety of indoor environments, and a wide range of applications, including HVAC system, ventilation system. It can detect seven types of air factors: Temperature / Humidity / Carbon Monoxide(CO) / Carbon Dioxide(CO2) / Fine Suspended Particulates (PM2.5) / Suspended Particulates(PM10) / Total Volatile Organic Compounds(TVOC).

The modern design with clear display is easy to install. AQM-ZN series use semiconductor CMOS sensing elements, which have fast response speed, high accuracy and outstanding stability.

- ◆ 7 types of harmful indoor air factors detection.
- ◆ Wall-mounted installation, quick and easy installation.
- ◆ CMOS sensing element: fast signal speed, high accuracy, and outstanding stability.
- ◆ Microelectronic circuit design, high anti-noise ability.
- ◆ THERMOWAY provide customized services.

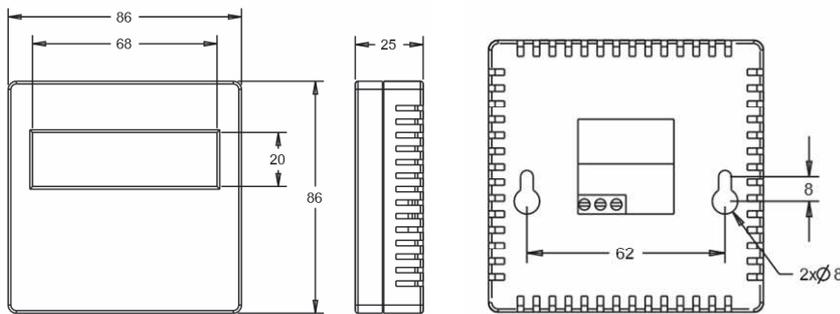
Sensor Specifications

Air Factor	Measuring Range	Accuracy	Sensing Element
Temperature	0 - 50°C	±0.3°C	COMS
Humidity	0 - 100% RH	±2% RH	COMS
CO	0 - 500 ppm	±5%	Electrochemistry
CO2	0 - 10000 ppm	±0.02% volume or 3% of reading	NDIR
PM2.5	0.0 - 1999.9 µg/m3	±10%, or ±8µg/m3	Laser scattering
PM10	0.0 - 2999.9 µg/m3	±15%, or ±10µg/m3	Laser scattering
TVOC	0 - 6000 ppb	15% of reading	COMS

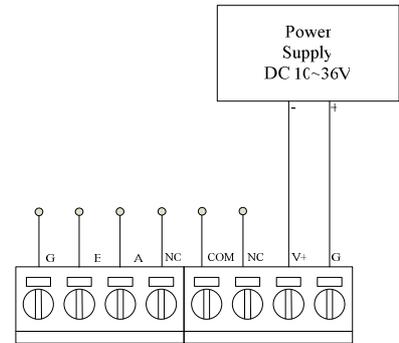
Function Specifications

Evaluation Light	Green/Red (Recovery/Trig)
Relay Output	2A 30VDC or 0.5A 125VDC (Trig: 1600ppm, Recovery: 800ppm)
Power Supply	10 – 36 VDC
Circuit Protection	Polarity Protection/Short Circuit
Ambient Temperature	-20 - 70°C
Shell	86 x 86 x 26(mm), IP20 Fireproof ABS
Accreditation	CE
LCD Display	Customization

Dimensions



Wiring



Ordering Information

MODEL: AQM – ZN –

Air Factor

Output

T	Temperature
H	Humidity
1	CO
2	CO2
3	PM2.5
4	PM10
5	TVOC

C	4-20mA
R	RS-485

Ordering Example: **AQM-ZN-TH123-C**, detection type including temperature, humidity, CO, CO2 and PM2.5; output signal is 4-20mA.

