

CO2 Monitor ZGw063 (COP Station) Manual

Thank you for selecting ZGw063 CO2 wall mount monitor. To ensure you use your product correctly and safety, we would like to your attention to read this manual and the operating Instructions before using this product. In addition, please keep this manual after you read.

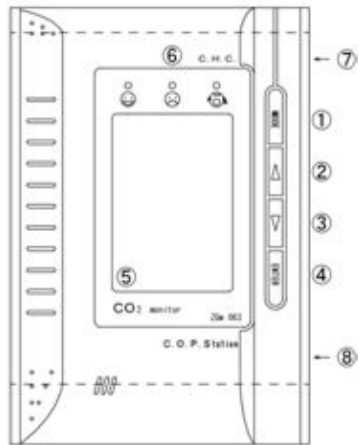


Attention

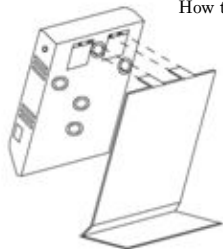
※When you do not use this product for a long time, please strip AC adapter and keep it.

※We do not guarantee the measurements and the results with this product

For HOME(except for business proof) ※You may not use this product for business proof.



How to wear the stand



The Instruction of LED Display

- :Acceptable level
- :Healthy, normal outside level
- :Co2 Concentration ~800ppm
- :General drowsiness
- :Complaints of stiffness and odors
- :Co2 Concentration 800ppm~1200ppm
- :If you stay for long
- Adverse health effects expected
- :Co2 Concentration 1200ppm~

①Mode Button ②Up Button ③Down Button ④Enter Button ⑤Main LCD Display

⑥LED Display ⑦Power Socket ⑧RJ45 Cover

※⑦, ⑧ are outlets of the body side.

■How to set

At first, insert attached AC adapter in a ⑦Power Socket

After Inserting, the monitor starts in about 15 seconds, and it can measure stably in about 60 seconds.



①Mode Button will not response during warm up.

■Setting of the each mode

①When pressing Mode Button, set modes flashes with the following turn.

Setting the alarm function→ALTI→ALARM→OUTSIDE→CALI→DATA LOGGER→MAX MIN→rcFS

Then, press ④Enter Button to save the changed mode. And press ②Up Button / ③Down Button to change the setting. Finally press ④Enter Button.

●Setting the alarm function: When pressing ①Mode Button, the speaker icon flashes. Then, press ④Enter Button, use ②③Up/Down Button to select the on/off. Press ④Enter Button again to save the setting.

●ALTI(Altitude): Compensate the pressure changes which appropriate altitude of location when measure. ※It can set 0~9900m by a 100m unit

●ALARM (Setting the Alarm parameter Mode):Press ①Mode Button, and ④Enter Button. Use ②③Up/Down Button to set the parameter.

●OUTSIDE: Modify the outside CO2 concentration for defining the ventilation rate.

※The factory setting with OUTSIDE is 400 ppm

●CALI (Calibration):To calibrate the CO2 Monitor. Press ①Mode Button to select CALI, and press the ④Enter Button. Then, change the display of CO2 concentration value by ②③Up/Down Button. Press ①Mode Button more than 10sec, "CALIBRATING" flashes. Calibration will be done automatically after about 5 min and LCD display "PASS." If it shows "FAIL," try again. Finally push ④Enter Button.

●DATA LOGGER: Display the past CO2 and Temperature records in the past 24 hours (The readings are recorded every 30 minutes. That is, 48 times.)

※The smallest number means the newest record

●MAX MIN: Display the Max and Min CO2 reading record before being cleared or the device is powered off. ①Mode Button, MAX MIN flashes. Then, press ④Enter Button, Max and Min records show on the LCD alternatively. Press ②③Up/Down Button and the "CLr" will flash on the LCD. Press ④Enter Button to clear the MAX and MIN record.

●rcFS (ReFactSet): To recover factory setting to cancel the customize setting

■About Thermometer and Ventilation Rate

With a normal mode, when pressing ②Up Button and ③Down Button, the LCD display (the lower one) sequence is Temperature (Celsius)→Temperature (Fahrenheit)→Vent Rate (cf/m/p)→vent Rate (L/P/S),

※The Vent Rate is rough reading of the ventilation rate to express how much air is replaced, and it is calculated by measurements of CO2 concentration and outside CO2 concentration setting.

Ventilation Rate (cf/m/p) is Cubic Feet /Minute/ Person

Ventilation Rate (L/P/S) is Liter/Person/Second

	CO2 Monitor Ventilation Rate			General Expression in Japan		Standard in Japan
	measurement	measure		measurement	measure	
Good Ventilation	10	lps	⇒	36	M3/h/Man	
Bad Ventilation	5	lps		18	M3/h/Man	
	5.6	lps	⇐	20	M3/h/Man	Building Standard Act
	8.3	lps		30	M3/h/Man	Standard design
	8.2	lps		1000	ppm	The lowest limit of Building Standard Act
	16.4	lps		700	ppm	Standard design

Design & Sale:

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CO2 Monitor ZGw08PR (Marvel) Manual

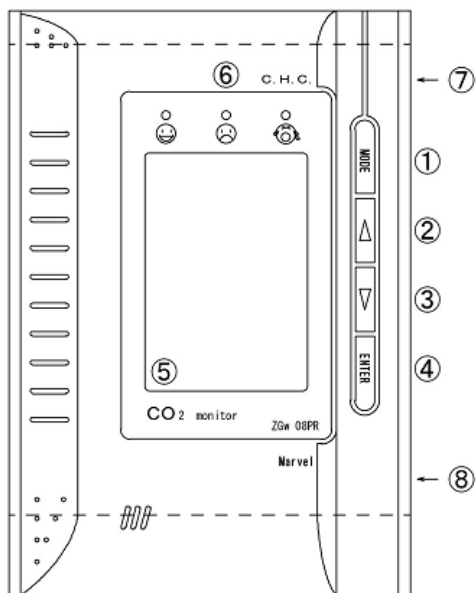
Thank you for selecting ZGw08PR CO2 wall mount monitor. To ensure you use your product correctly and safety, we would like to your attention to read this manual and the operating Instructions before using this product. In addition, please keep this manual after you read.



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The Instruction of LED Display	
○	:Acceptable level
☺	:Healthy, normal outside level
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①Mode Button ②Up Button ③Down Button ④Enter Button ⑤Main LCD Display

⑥LED Display ⑦Power Socket ⑧RJ45 Cover

※⑦, ⑧ are outlets of the body side.



①Mode Button will not response during warm up.

■About Ventilation Rate

With a normal mode, when pressing ②Up Button / ③Down Button, the LCD display (the lower one) sequence is Vent Rate (cf/m/p)→vent Rate (L/P/S),

※The Vent Rate is rough reading of the ventilation rate to express how much air is replaced, and it is calculated by measurements of CO2 concentration and outside CO2 concentration setting.

Ventilation Rate (cf/m/p) is Cubic Feet /Minute/ Person

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	CO2 Monitor Ventilation Rate		General Expression in Japan		Standard in Japan
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■Setting of the each mode

①When pressing Mode Button, set modes flashes with the following turn.

Setting the alarm function→CALI→ALARM→rcFS

Then, press ④Enter Button to save the changed mode. And press ②Up Button / ③Down Button to change the setting. Finally press ④Enter Button.

●Setting the alarm function: When pressing ①Mode Button, the speaker icon flashes. Then, press ④Enter Button, use ②③Up/Down Button to select the on/off. Press ④Enter Button again to save the setting.

●CALI (Calibration):To calibrate the CO2 Monitor. Press ①Mode Button to select CALI, and press the ④Enter Button. Then, change the display of CO2 concentration value by ②③Up/Down Button. Press ①Mode Button more than 10sec, "CALIBRATING" flashes. Calibration will be done automatically after about 5 min and LCD display "PASS." If it shows "FAIL," try again. Finally push ④Enter Button.

●ALARM (Setting the Alarm parameter Mode):Press ①Mode Button, and ④Enter Button. Use ②③Up/Down Button to set the parameter.

●rcFS (ReFactSet): To recover factory setting to cancel the customize setting



Attention

Please notice it might cause serious accidents that you connect + and - of the power supply side in the wrong way.



the body of the monitor

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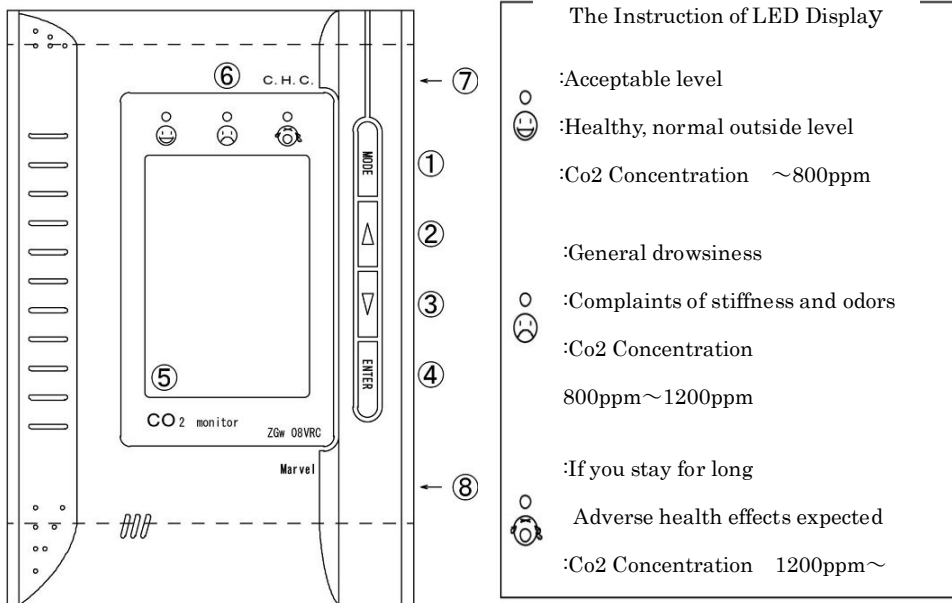
CO2 Monitor ZGw08VRC (Marvel) Manual

Thank you for selecting ZGw08VRC CO2 wall mount monitor. To ensure you use your product correctly and safety, we would like to your attention to read this manual and the operating Instructions before using this product. In addition, please keep this manual after you read.



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- ①Mode Button ②Up Button ③Down Button ④Enter Button ⑤Main LCD Display
- ⑥LED Display ⑦Power Socket ⑧RJ45 Cover
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①Mode Button will not response during warm up.

About Ventilation Rate

With a normal mode, when pressing ②Up Button / ③Down Button, the LCD display (the lower one) sequence is Vent Rate (cf/m/p)→vent Rate (L/P/S),

※The Vent Rate is rough reading of the ventilation rate to express how much air is replaced, and it is calculated by measurements of CO2 concentration and outside CO2 concentration setting.

Ventilation Rate (cf/m/p) is Cubic Feet /Minute/ Person

Ventilation Rate (L/P/S) is Liter/Person/Second

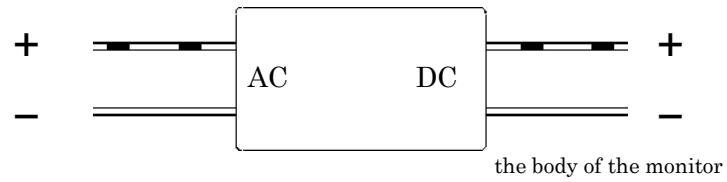
	CO2 Monitor Ventilation Rate			General Expression in Japan		Standard in Japan
	measure-ment	measure		measure-ment	measure	
Good Ventilation	10	lps	→	36	M3/h/Man	
Bad Ventilation	5	lps		18	M3/h/Man	
	5.6	lps	←	20	M3/h/Man	Building Standard Act
	8.3	lps		30	M3/h/Man	Standard design
	8.2	lps		1000	ppm	The lowest limit of Building Standard Act
	16.4	lps		700	ppm	Standard design

Setting of the each mode

- ①When pressing Mode Button, set modes flashes with the following turn.
Setting the alarm function→CALI→ALARM→rcFS
Then, press ④Enter Button to save the changed mode. And press ②Up Button / ③Down Button to change the setting. Finally press ④Enter Button.
- Setting the alarm function: When pressing ①Mode Button, the speaker icon flashes. Then, press ④Enter Button, use ②③Up/Down Button to select the on/off. Press ④Enter Button again to save the setting.
- CALI (Calibration):To calibrate the CO2 Monitor. Press ①Mode Button to select CALI, and press the ④Enter Button. Then, change the display of CO2 concentration value by ②③Up/Down Button. Press ①Mode Button more than 10sec, "CALIBRATING" flashes. Calibration will be done automatically after about 5 min and LCD display "PASS." If it shows "FAIL," try again. Finally push ④Enter Button.
- ALARM (Setting the Alarm parameter Mode):Press ①Mode Button, and ④Enter Button. Use ②③Up/Down Button to set the parameter.
- rcFS (ReFactSet): To recover factory setting to cancel the customize setting



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