

INDOOR AIR QUALITY MONITOR



HARD WIRED CO₂, HUMIDITY, TEMP. MONITOR W/ DRY CONTACT 7731

- Designed to meet LVD and Scottish Technical Handbook Domestic Environment 3.14.2
- Big color display w/CO₂, humidity and temp. value and equipped with dry contact for external connection
- Same size as a standard plate switch and fits within a 35mm deep flush back box. Two-part easy assembly
- Touch keypad to review the logged 8-hour average, 24-hour average and 24-hour peak value
- NDIR (non-dispersive infrared) CO₂ technology
- Programable traffic light to indicate status of IAQ
- 3- level display brightness to adjust per need
- Buzzer function could be activated while required. Mute function is available while buzzer function is on
- CO₂ manual calibration feature is included



Metric/
Imperial



LED
Display



Buzzer
Alarm



LED Alarm



USB TypeC
for power



100~240
VAC Input



Dry contact

DIP SWITCH SETTINGS

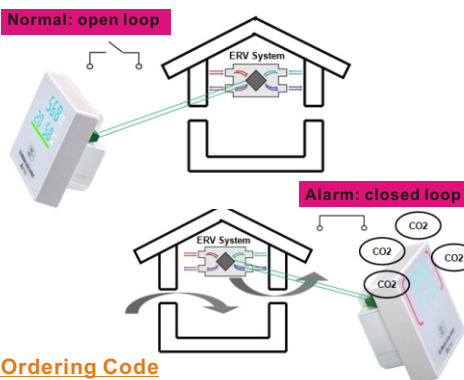
Green to Yellow	DIP 1	DIP 2	Yellow to red	DIP 3	DIP 4
600ppm	<input type="checkbox"/>	<input type="checkbox"/>	+200ppm	<input type="checkbox"/>	<input type="checkbox"/>
700ppm	<input type="checkbox"/>	<input type="checkbox"/>	+300ppm	<input type="checkbox"/>	<input type="checkbox"/>
800ppm	<input type="checkbox"/>	<input type="checkbox"/>	+400ppm	<input type="checkbox"/>	<input type="checkbox"/>
900ppm	<input type="checkbox"/>	<input type="checkbox"/>	+500ppm	<input type="checkbox"/>	<input type="checkbox"/>

Temp Unit	DIP 5	Buzzer	DIP 6	CO ₂ cal.	DIP 7
F	<input type="checkbox"/>	ON	<input type="checkbox"/>	ON	<input type="checkbox"/>
C	<input type="checkbox"/>	OFF	<input type="checkbox"/>	OFF	<input type="checkbox"/>



Dry contact is turned to closed loop while CO₂ exceeds red alarm threshold.

HOW IT WORK WITH ERV?



Ordering Code

VZ7731AZ, Hard wire CO₂/T/RH monitor w/dry contact for ext. Connect

Model	7731
Measuring range	
CO ₂	200~9999 ppm,
Temperature	0~50°C (32~122°F)
Humidity	5~95% RH
Resolution	1ppm, 1°C/°F, 1%RH
Accuracy	
CO ₂	±40ppm±3% of reading (400~2000ppm) Other range is 10% of reading
Temperature	±1°C/±1°F
Humidity	±5%RH (at 25°C, 10~90%RH); ±7%RH (at 25°C, other range)
Warm-up time	10 seconds
Response time	
CO ₂	<5 mins (90% step change)
Tair	<2 mins (90% step change)
Humidity	<20 minutes (90% step change)
Operating condition	0~50°C, 0~95% RH (avoid condensation)
Storage condition	-20~ 50°C, 0~95%RH(avoid condensation)
Power supply	100~240VAC, 50~60Hz, 1.5VA or 5VDC
Power consumption	<2W
Dry contact	Normal open, loading: 5A@120VAC; 5A@250VAC; 5A@28VDC
Buzzer	~70dB at 10cm distance
Meter/LCD size	86x86x51 mm / 77 x 46 mm
IP	IP30
Housing Material	ABS
Mounting height	1.4~1.8 M
Weight	150g
Standard package	Meter, manual, paper box



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