

# INDOOR AIR QUALITY MONITOR



## HARD WIRED CO<sub>2</sub>, HUMIDITY, TEMP. MONITOR W/ DRY CONTACT

### Dry contact: 7731 Regular:7730

- Designed to meet LVD and Scottish Technical Handbook Domestic Environment 3.14.2
- Big color display w/CO<sub>2</sub>, 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) CO<sub>2</sub> 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
- CO<sub>2</sub> manual calibration feature is included



Model	7731/7730
<b>Measuring range</b>	
CO <sub>2</sub>	200~9999 ppm,
Temperature	0~50°C (32~122°F)
Humidity	5~95% RH
<b>Resolution</b>	1ppm, 1°C/°F, 1%RH
<b>Accuracy</b>	
CO <sub>2</sub>	±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)
<b>Warm-up time</b>	10 seconds
<b>Response time</b>	
CO <sub>2</sub>	<5 mins (90% step change)
Tair	<2 mins (90% step change)
Humidity	<20 minutes (90% step change)
<b>Operating condition</b>	0~50°C, 0~95% RH (avoid condensation)
<b>Storage condition</b>	-20~ 50°C, 0~95%RH(avoid condensation)
<b>Power supply</b>	100~240VAC, 50~60Hz, 1.5VA or 5VDC
<b>Power consumption</b>	<2W
<b>Dry contact (7731 only)</b>	Normal open, loading:5A@120VAC;5A@250VAC;5A@28VDC
<b>Buzzer</b>	~70dB at 10cm distance
<b>Meter/LCD size</b>	86x86x51 mm / 77 x 46 mm
<b>IP</b>	IP30
<b>Housing Material</b>	ABS
<b>Mounting height</b>	1.4~1.8 M
<b>Weight</b>	150g
<b>Standard package</b>	Meter, manual ,paper box

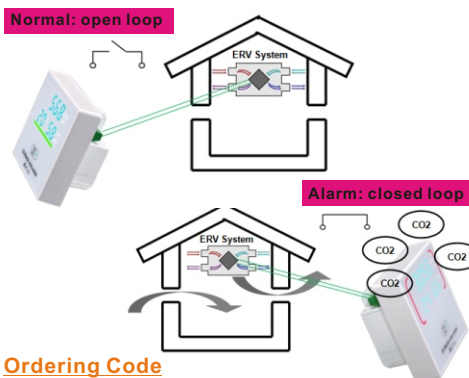
### DIP SWITCH SETTINGS

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 <sub>2</sub> 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 CO<sub>2</sub> exceeds red alarm threshold.

### HOW IT WORK WITH ERV?



**Ordering Code**  
**VZ7731AZ, Hard wire CO<sub>2</sub>/T/RH monitor w/dry contact for ext. Connect**  
**VZ7730AZ, Hard wire CO<sub>2</sub>/T/RH monitor**

\*Available for EB project



**Dry contact Normal open, Loading:**  
**5A@120VAC;**  
**5A@250VAC;**  
**5A@28VDC**