Hard Wired CO_2, 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_2 , 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_2 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_2 manual calibration feature is included

Model	7731/7730
Measuring range	
CO2	200~9999 ppm,
Temperature	0~50°C (32~122°F)
Humidity	5~95% RH
Resolution	1ppm , 1°C/°F, 1%RH
Accuracy	
CO2	±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	
CO2	<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 (7731 only)	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

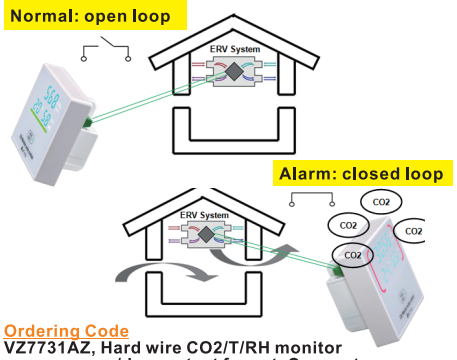
DIP SWITCH SETTINGS

Green to Yellow	DIP 1	DIP 2	Yellow to red	DIP 3	DIP 4
600ppm			+200ppm		
700ppm			+300ppm		
800ppm			+400ppm		
900ppm			+500ppm		

Temp Unit	DIP 5	Buzzer	DIP 6	CO2 cal.	DIP 7
F		ON		ON	
C		OFF		OFF	

Dry contact is turned to closed loop while CO_2 exceeds red alarm threshold.

HOW IT WORK WITH ERV?



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

Ordering Code
VZ7731AZ, Hard wire CO2/T/RH monitor w/dry contact for ext. Connect
VZ7730AZ, Hard wire CO2/T/RH monitor

*Available for EB project