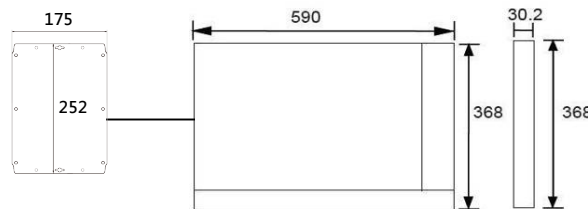# JNC
6-channel IAQ Display — CTR230-6

[Features]

- Conformed to the laws and regulations of IAQ: record average in hours and display average in each 8-hour
- Convenient management: no need APP, direct monitor via the web
- Entire control interface: with power switch and air damper control
- Simply in one touch calibration process
- Convenient maintenance: hot pluggable and easy to replace LED Lights and any add on sensors
- Monitoring temp/RH/CO2/HCHO/CO/PM2.5 simultaneously
- USB record: download data from USB via the web
- DHCP/ DNS/PPPOE, web browsing historical and trend charts
- Software upgrade globally in minutes

[Applications] Applicable to: IAQ public area, laboratory, office, station, airport, museum

[Dimension] mm

[Specifications]

Power	24VDC w./power supplier, power consumption 0.5A (Input 100~240VAC, 50/60HZ; output 24VDC 1A)	
Working Environment	Operating temperature	-20~60℃
	Operating humidity	0 ~ 95%RH non-condensing
	Storage condition	-30~70℃
Alarm output	Relay output	3 points
	Relay contact capacity	90~250VAC≦1A
Communication	Ethernet	RJ-45 with web service function, protocol Modbus TCP
	Interface	RS-485 /RS-232*1port (JUMP1 of 2); RS-485 *1port
	Protocol	Modbus RTU
	WiFi	(Optional)
Signal output(AO)	Output point	3 points
	Signal output	4-20mA(AO, PID or output control manually)
Display Board	Display	2.3 inch Red LED
	Date/Week/Time	1.0 inch Yellow LED
	Display mode	Pres., 1H, 8H, 24H average (Each)
	Comfort Index	6 level LED indicator (meet the laws)
	Pollution Index	6 level LED indicator (meet the laws) or set up by self
Physical conditions	Item	CTR230-6 / Sensors (HCHO/CO/PM2.5)
	Dimension(mm)	590x 368x 30.2 (W x H x D) / 109.40x83.40x55 (W x H x D)
	Weight	≦3kg / ≦1kg
Housing	Material	Stainless Steel / PC
Record	USB record, maximum to 64GB	
Software	USB readout and graph software	
Certificate	FCC PART 15 B AND CISOR 22 C, EN55022:2010 Class A, EN61326-1:2006, IEC61000-4-2:2008, IEC61000-4-8:2009, IEC61000-4-3:2006+A1:2007+A2:2010	
Patent	R.O.C. Patent No. M455143, China Patent No. ZL201220737008.2 R.O.C. Patent No. M474956, China Patent No. ZL201420150234.X	

Sensor	Range	Sensing technology	T90	Operating temperature	Resolution	Accuracy	Warm-up time
PM2.5	0~600μg / m3	Laser light scattering	<90 S	-10℃~65℃	0.1 μg/m3	±10μg/M^3±5% of Reading	5min
CO	0~100ppm	Electrochemistry	<180 S	0℃~50℃	1ppm	±5ppm	10min
HCHO	0.01~2.00ppm	Electrochemistry	<120 S	-10℃~50℃	0.01ppm	≦±0.02pm±2% of Reading	10min
Temp	-40~100℃	Metal oxide semiconductor	<60 S	-20~60℃	0.1℃	±0.4℃	≦20s
RH	0~100%	Metal oxide semiconductor	<60 S	-20~60℃	0.1%RH	±3%RH	≦20s
CO2 NDIR	0~10,000ppm	Non-dispersive infrared	<120 S	0~50℃	1ppm	±30ppm ±2%of Reading	≦20s