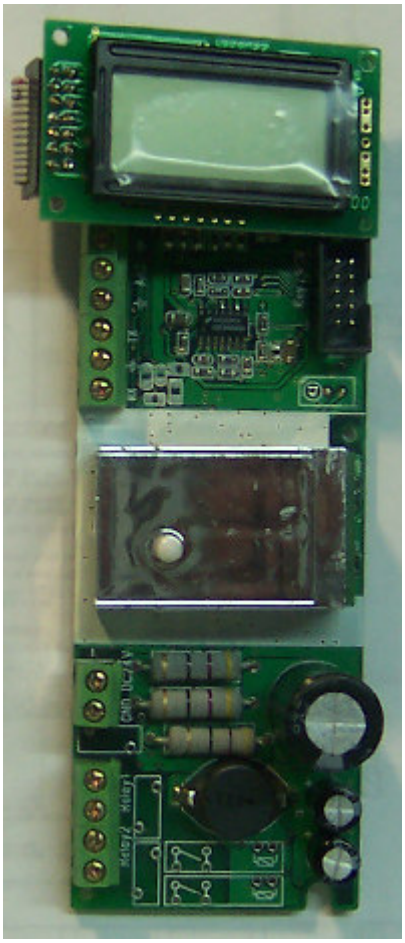
C-110 CO2 Module Specification



KingCan Industry Corporation

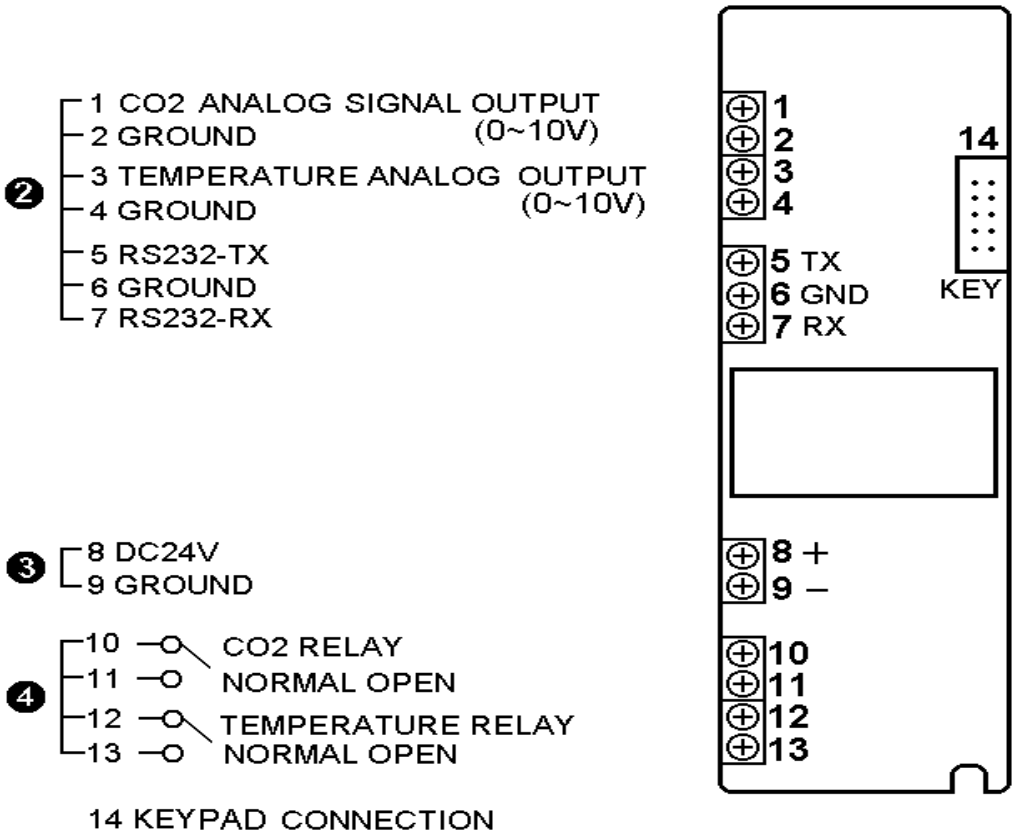
I. PRODUCT SPECIFICATION

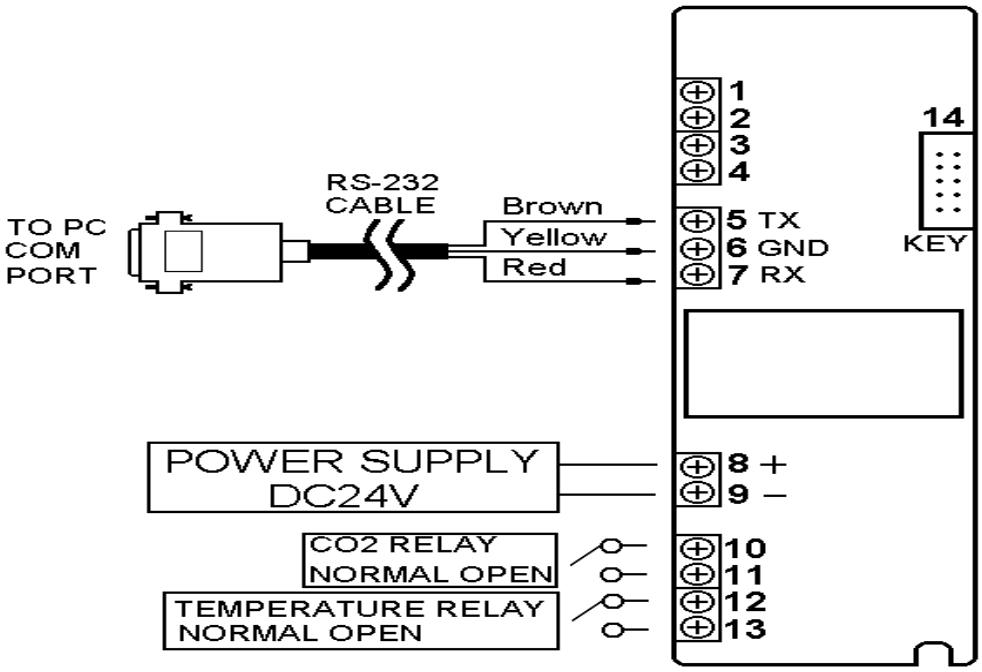
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Storage Temperature Range…..…	-30℃~+70°C
Sensor Life Expectancy……..…	10 years
Operating Temperature Range…..	0℃~50 °C
Operating Humidity Range…...…	0%~95% RH (non-condensing)
Operating Environment…….……	Residential, commercial, industrial spaces and potentially dusty air ducts used in HVAC (Heating Ventilation and Air-Conditioning) systems.
Warm-up Time……..……	≦ 1 min. (@ full specs ≦ 15 minutes)
Power Input……...….	24 VDC
Current Consumption……	80 mA average < 210 mA peak current (averaged during IR lamp ON, 250 msec) < 500 mA peak power (during IR lamp start-up, the first 20 msec)
Electrical Connections……...……	PCB terminal Block
Dimensions……	150mm*50mm*40mm (PCB)
Sensing Method……	non-dispersive infrared (NDIR)
Sampling Method……..….	Diffusion
Response Time (90%)……...….	< 5 minutes diffusion time
Measurement Range……..……	□ 0~10000 ppm □ 0~3000ppm
Accuracy……	± 5 % of Full Scale (10000ppm) ± 3.5% of Full Scale (3000ppm)
Temperature Measurement Range	0℃~50°C (±1℃)
Accuracy……	± 1.0°C
AN1 (CO2 density linear output)	
Linear Conversion Range……..	Voltage：□0 ~10 VDC□0 ~5 VDC□1 ~5 VDC □2 ~10 VDC Current：□0 ~20 mA□4~20mA (Both for 0~3000 ppm)
Linear Output Resolution (0~10VDC)	10mV
AN2 (Temp Linear Output)	
Linear Conversion Range……..	Voltage：□0~10 VDC□0~5 VDC□1~5 VDC □2~10 VDC Current：□0~20 mA□4~20mA(Both for 0℃~50℃/40°F~110°F)
AN2 Resolution……..……	10 mV
CO2 PLC Relay…….....	□ Normal Open □ Normal Close
Temperature PLC Relay…...……	□ Normal Open □ Normal Close
Hardware interface……	RS232 or RS485
Baud Rate……..……	4800 (maximum 115200)

II. SETTING ILLUSTRATION AND FUNCTION

Terminal Blocks:





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