

GAS & SPECIALTY SENSORS

INDOOR AIR QUALITY MONITOR IAQ-A SERIES



Honeywell Analytics
experts in gas detection

DESCRIPTION

The **Honeywell Analytics IAQ-A Series** provides indoor air quality monitoring of CO₂, temperature, and RH for demand control ventilation applications. Its patented touchscreen monitor brings leap-forward technology right to your fingertips, with benefits that extend from simplified installation and commissioning to user operation. You can set password levels and protect. The unit is available for wall or duct mount installations and easily mounts to a standard electrical box.

FEATURES

- Senses CO₂, Temperature and RH
- Analog outputs: 4-20 mA or 0-10 VDC
- Jumper selectable gas detection range
- Easy Calibration
- Optional backlit LCD
- Independent sensor operation
- ABC Logic



IAQ-DAC-TRH-D



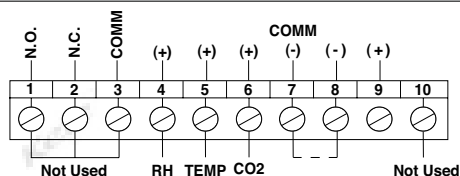
IAQ-WAC-TRH-D



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GAS & SPECIALTY SENSORS

WIRING



SPECIFICATIONS

Supply Voltage	20 to 30 VAC @ 6.7 VA, 50/60 Hz or 18 to 28 VDC @ 281 mA	Display Response Time	Graphic LCD; two-line, alphanumeric CO ₂ : <60 seconds for 90% step change Humidity: 4 seconds Temperature: 30 seconds
Accuracy	CO ₂ : ±3%, 0-2000 ppm; RH: 0% to 95% noncondensing Temperature: 0.9°F @ 77°F (0.5°C @ 25°C)	Minimum Duct Velocity	420 ft/min (2 m/s)
Signal Output	4-20 mA (500 ohms) or 0-10 VDC selectable for CO ₂ , Humidity or Temperature	Operating Temperature	32° to 122°F (0 to 50°C)
Measurement Range	CO ₂ : 0-2000 ±ppm, 0-5,000 ppm (jumper selectable)	Operating Humidity	0 to 95% RH, Non-condensing
Humidity:	0% to 95% noncondensing	Dimensions	
Temperature:	32° to 122°F (0° to 50°C)	Wall	4.6"H x 3.0"W x 1.5"D (11.8 x 7.7 x 3.7 cm)
Relay Type	SPDT, 3 A @ 250 VAC or 30 VDC, field configurable	Duct	6.4"H x 8.7"W x 3.0"D (16.3 x 22.2 x 7.7 cm)
Sensing Technology	CO ₂ : Non-dispersive infrared (NDIR) RH and temperature: Capacitive	Duct probe	1 1/16" (2.7 cm) diameter
		Weight	
		Wall	0.44 lb (0.2 Kg)
		Duct	0.7 lb (0.32 Kg)
		Approvals	CSA, RoHS, CE
		Warranty	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
IAQ-DAC	IAQPOINT CO ₂ MONITOR, DUCT, ANALOG
IAQ-DAC-D	IAQPOINT CO ₂ MONITOR, DUCT, ANALOG, DISPLAY
IAQ-DAC-R	IAQPOINT CO ₂ MONITOR, DUCT, ANALOG, RELAY
IAQ-DAC-R-D	IAQPOINT CO ₂ MON, DUCT, ANALOG, RELAY/DISP
IAQ-DAC-TRH	IAQPOINT CO ₂ MONITOR, DUCT, ANALOG, TEMP/RH
IAQ-DAC-TRH-D	IAQPOINT CO ₂ MON, DUCT, ANALOG, TEMP/RH/DISP
IAQ-DAC-TRH-R	IAQPOINT CO ₂ MON, DUCT, ANALOG, TEMP/RH/RELY
IAQ-DAC-TRH-R-D	IAQPOINT CO ₂ MON, DUCT, ANALOG, TEMP/RH/RELY/DISP
IAQ-WAC	IAQPOINT CO ₂ MONITOR, WALL, ANALOG
IAQ-WAC-D	IAQPOINT CO ₂ MONITOR, WALL, ANALOG, DISPLAY
IAQ-WAC-R	IAQPOINT CO ₂ MONITOR, WALL, ANALOG, RELAY
IAQ-WAC-R-D	IAQPOINT CO ₂ MONITOR, WALL, ANALOG, RELAY, DISPLAY
IAQ-WAC-TRH	IAQPOINT CO ₂ MONITOR, WALL, ANALOG, TEMP/RH
IAQ-WAC-TRH-D	IAQPOINT CO ₂ MONITOR, WALL, ANALOG, TEMP/RH/DISP
IAQ-WAC-TRH-R	IAQPOINT CO ₂ MONITOR, WALL, ANALOG, TEMP/RH/RELY
IAQ-WAC-TRH-R-D	IAQPOINT CO ₂ MON, WALL, ANALOG, TEMP/RH/RELY/DISP
IAQ-WAV	IAQPOINT VOC MONITOR, WALL, ANALOG
IAQ-WAV-D	IAQPOINT VOC MONITOR, WALL, ANALOG, DISPLAY
IAQ-WAV-R	IAQPOINT VOC MONITOR, WALL, ANALOG, RELAY
IAQ-WAV-R-D	IAQPOINT VOC MONITOR, WALL, ANALOG, RELAY, DISPLAY
IAQ-WAV-TRH	IAQPOINT VOC MONITOR, WALL, ANALOG, TEMP AND RH
IAQ-WAV-TRH-D	IAQPOINT VOC MONITOR, WALL, ANALOG, TEMP/RH/DISP
IAQ-WAV-TRH-R	IAQPOINT VOC MONITOR, WALL, ANALOG, TEMP/RH/RELY
IAQ-WAV-TRH-R-D	IAQPOINT VOC MONITOR, WALL, ANALOG, TEMP/RH/RELY/DISP

ACCESSORIES

691-K0A	Control transformer, 120:24 VAC, 40 VA, Class 2
DCP-1.5-W	Power supply, 24 VAC IN to 24 VDC OUT
DCPA-1.2	Power supply, 120 VAC IN to 24 VAC/24 VDC OUT
GAS-CO2-2000	2000 ppm carbon dioxide (CO ₂) in nitrogen (N ₂), 17L
UCK-1	Universal calibration kit for non-corrosive gases (N ₂ , CO ₂ , CH ₄ , H ₂ , O ₂ , CO, and refrigerants)