



LEADERS IN GAS DETECTION

Critical Environment Technologies™

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CGAS DETECTOR FAMILY

Indoor Public Spaces - DCV & VRF Applications

- » Low profile to reduce noticeability in public spaces
- » Internal CO, CO₂, R410A, RH & Temperature or Particulate PM2.5 sensor or remote dongle style solid state R410A sensor
- » 4-20 mA output or user selectable in the field Modbus® RS-485 or BACnet® MS/TP output signal
- » Precalibrated, Plug & Play Smart Sensor replacement at end of life
- » Optional SPDT dry contact relay rated 30 volts, 2 amps
- » LCD display
- » Password protected menu system



Strobes & Horns



cGas Detector Carbon Dioxide (1 channel)

- » Single internal gas sensor: CO₂ available in %vol or ppm range
- » 4-20 mA A analog output or user selectable in the field Modbus® RS-485 or BACnet® MS/TP output signal to BAS, optional RH & Temperature sensor
- » Precalibrated, Plug & Play Smart Sensor replacement at end of life
- » LCD display, password protected menu system



cGas Detector Digital Transmitter (up to 2 channels)

- » Internal electrochemical, combustible or solid state refrigerant sensor options
- » User selectable in the field Modbus® RS-485 or BACnet® MS/TP output signal
- » Precalibrated, Plug & Play Smart Sensor replacement at end of life
- » LCD display, password protected menu system, optional relay
- » 4-wire VAC/VDC



cGas Detector Self Contained Controller (up to 3 channels)

- » Internal or remote electrochemical and/or remote combustible or solid state refrigerant sensor options
- » Up to three 4-20 mA analog inputs
- » User selectable in the field Modbus® RS-485 or BACnet® MS/TP output signal to BAS
- » Precalibrated, Plug & Play Smart Sensor replacement at end of life
- » Two 5-amp SPDT relays, audible alarm, LCD display, two optional 4-20 mA outputs for VFD control
- » Easy to navigate, password protected menu system with 8 priorities / logic control



LPT FAMILY

FCS Flexible Control System (up to 8 or up to 128 channels)

- » Analog and/or digital transmitter combinations
- » Four 5-amp SPDT relays, audible alarm, resistive touch graphic LCD colour display, extensive menu system with priorities and logic control, includes data logging
- » Modbus® RS-485 output or BACnet® MS/TP output for communication with a Building Automation System (BAS)
- » 90 - 240 AC line voltage power supply



LPT Low Power Transmitter (1 channel)

- » Single internal sensor: CO, NO_x, NH₃, O₂, Cl₂ or O₃
- » 4 - 20 mA output, single LED indicator
- » 2-wire loop or 3-wire VDC or 4-wire VAC



QCC Quad Channel Controller (up to 4 channels)

- » Analog and/or digital transmitter combinations
- » Three 5-amp SPDT relays, audible alarm, LCD display, extensive menu system, logic control, optional analog output with data logging
- » Modbus® RS-485 output or BACnet® MS/TP output for communication with a Building Automation System (BAS)
- » 90 - 240 AC line voltage power supply



LPT-A Analog Transmitter (1 channel)

- » Electrochemical or solid state sensor (internal) or combustible (internal or remote)
- » One 2-amp SPDT relay, audible alarm, LCD display
- » 4 - 20 mA or 0 - 10 VDC output signal
- » 3-wire VDC or 4-wire VAC/VDC



DCC Dual Channel Controller (up to 2 channels)

- » Flexible internal and/or remote gas sensor options
- » Two 5-amp SPDT relays, audible alarm, LCD display, menu system, two 4-20 mA outputs for VFD control, one configurable 4-20 mA input and a Silence push button
- » 24 VAC/VDC or 90 - 240 AC line voltage power supply



LPT-P Digital Car Park Transmitter (up to 3 channels)

- » Internal CO and/or NO₂ sensor and/or one combustible remote sensor
- » LCD display
- » Modbus® RS-485 output signal
- » 4-wire VDC



SCC Self-Contained Controller (up to 2 channels)

- » Internal electrochemical CO and/or NO_x and/or one remote combustible sensor
- » Two 5-amp SPDT relays, audible alarm, LED indicators, optional 4-20 mA input
- » 24 VAC/VDC or 90 - 240 AC line voltage power supply



LPT-M Digital Modbus Transmitter (up to 3 channels)

- » Electrochemical (internal) and/or combustible remote sensor options
- » Modbus® RS-485 output signal
- » One 2-amp SPDT relay, audible alarm, LCD display
- » 4-wire VAC/VDC



LPT-B Digital BACnet® Transmitter (up to 3 channels)

- » Electrochemical (internal) and/or combustible remote sensor options
- » BACnet® MS/TP output signal
- » One 2-amp SPDT relay, audible alarm, LCD display
- » 4-wire VAC/VDC



SPECIAL APPLICATIONS

LPT-A-VLT Vent Line Ammonia Transmitter

- » Internal catalytic Ammonia (NH₃) sensor, 0- 3% vol range
- » One 2-amp SPDT relay, audible alarm, LCD display
- » 4 - 20 mA or 0 - 10 VDC output signal
- » 3-wire VDC or 4-wire VAC



DCC-MRI Oxygen Sampling System

- » Internal Oxygen sensor 0-25% volume
- » One 5-amp SPDT relay, audible alarm, LCD display, menu system, one configurable 4-20 mA output, Silence push button
- » Blocked flow alarm, adjustable flow meter, sample draw pump
- » 24 VAC power supply



DCC-SD Sample Draw System

- » Single internal electrochemical or solid state refrigerant sensor
- » One 5-amp SPDT relay, audible alarm, display, menu system, one configurable 4-20 mA output, Silence push button
- » Blocked flow alarm, adjustable flow meter, sample draw pump
- » 24 VAC power supply





ART Infrared Refrigerant Transmitter

- » Single non-dispersive, infrared refrigerant sensor
- » Accurate, low level leak detection with no cross interference from non-refrigerant gases
- » 4 - 20 mA output or Modbus® RTU output
- » One 1-amp relay, bright LED display, audible alarm, 24 VAC/VDC



CXT Explosion-Proof Transmitter

- » Single electrochemical, infrared or catalytic sensor
- » 4 - 20 mA output or Modbus® RTU output
- » Three 5-amp relays (optional), audible alarm, large graphic LCD, remote sensor available
- » Programmable heaters for sensor and electronics for low temperature operation
- » Class 1, Div 1 & 2, Groups A, B, C, D



Sun Shade Cover

- » Provides shade and reduces glare on the display for better viewing
- » Provides protection from rain, snow, dust and dirt
- » Easily pivots to cover all angles
- » Made of carbon fibre reinforced nylon for durability

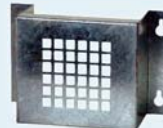


Calibration Kit

- » Calibration tools used for common field and shop calibration of new and old CETCI products; does not include gas cylinders
- » Fittings/adapters to accommodate various cylinder and sensor sizes
- » Comes in a durable, weather resistant, hard plastic carrying case



Our **black, standard water and dust tight polycarbonate enclosure** has a hinged, secured door and is corrosion resistant. The interior is copper coated to reduce RF interference. With the (optional) standard **Splash Guard** factory installed over the sensor vent, the enclosure is IP54 rated and protected in wash down or water spray applications.



Metal Protective Guards

- » 16 gauge, clear anodized metal protective guard
- » Larger size for controllers
- » Smaller size for analog & digital transmitters, available with splash cover for spray down applications monitoring Cl₂, O₃ or HCl

INDOOR AIR QUALITY (IAQ) MONITORS



YESAIR 8-Channel IAQ Monitor

- » 8 sensor capacity including RH and temperature
- » More than 30 plug & play gas sensor choices
- » PM2.5 or PM10 particulate sensor option
- » Data logging to SD memory card with YESViewer Logger Package and Software
- » Lightweight pump model or diffusion model
- » Contoured and comfortable to hold, portable



YES Plus LGA 15-Channel IAQ Monitor

- » 15 sensor capacity including RH and temperature
- » More than 30 plug & play sensor choices
- » Data logging to SD memory card
- » Internal sample pump with inline filter
- » Large, backlit, multi-line LCD display
- » Rugged ABS enclosure with swivel handle that also acts as a stand support



Particulate Sensor

PM2.5 or PM10

- » May be used with the YESAIR
- » Externally mounted on the enclosure
- » Rechargeable nickel hydride battery pack
- » Detects smoke, dust, pollen, spores, etc. particle concentrations in air



YESAIR Incubator Verification Monitor

- » Available with CO₂ and/or O₂ plus RH and temperature
- » Remote sample probe to measure target gas
- » Remote sampling probe for measuring RH & temperature
- » Easy entry into incubator port
- » Data logging to SD memory card with YESViewer Logger Package and Software
- » Lightweight, contoured, comfortable to hold, portable

Critical Environment Technologies is a leading global manufacturer of fixed gas detection systems, including self-contained systems, controllers and transmitters (gas detectors), and Indoor Air Quality (IAQ) monitoring instruments. All of our standard, fixed gas detectors come in a water/dust tight enclosure with a copper coated interior to reduce RF interference. Our products conform to CSA, UL, CE, FCC and IP54 standards.

We offer a variety of sensor technologies that detect many different types of hazardous gases in a wide range of applications. Common gases are: Carbon Monoxide, Carbon Dioxide, Nitrogen Dioxide, Nitric Oxide, Ammonia, Chlorine, Ozone, Oxygen, Refrigerants and combustible gases like Methane, Hydrogen and Propane. Applications include commercial, institutional, municipal and light industrial markets worldwide. Many applications are for vehicle exhaust, but areas of specialization include refrigeration plants, indoor swimming pools, water treatment plants, ice arenas, wineries, airports, hotels, fish farms, battery charging rooms, food processing plants, and more.

Our products are sold through a network of authorized distributors around the world.

List of Features and Compatible Remote & Peripheral Devices by Product

	CONTROLLERS								TRANSMITTERS										
	FCS & FCC-8	QCC	CGAS-SC	DCC	SCC	DCC-SD	DCC-MRI	CGAS-A	CGAS-D	CGAS-AP	CGAS-DP	LPT	LPT-A	LPT-A-VLT	LPT-P	LPT-M	LPT-B	ART	CXT
	FEATURES / OPTIONS	Modbus® Output to BAS	●	●	incl					incl		incl				incl	incl		●
	BACnet® Output to BAS	●	●	incl					incl		incl						incl		
	# of Internal Analog Inputs (-AI) or (-ZAI)	4 or 8			1 ncl														
	# of Internal Analog Outputs (-AO) or (-ZAO)	4 or 8	4	2	2 ncl			1 incl		1 incl									
	# of Internal Analog Inputs + Analog Outputs (-AIAO)	4 ea		1 ea															
	Data Logging	incl	●																
	Door Lock & Keys (-DL)	●																	
	Internal Relay (built-in)	4 incl	3 incl	2 incl	2 ncl	2 incl	2 incl						1 incl	1 incl		1 incl	1 incl	1 incl	●
	Internal Relay (-RLY)			●						●	●								
	Plug & Play Smart Sensors			●				●	●	●	●								
	PM2.5 or PM10 Dust Sensor									●	●								
	RH & Temperature Sensor (-RHT)			●				●	●	●	●								
	Internal Audible Alarm	incl	incl	incl	incl	incl	incl						incl	incl		incl	incl	incl	
	Water Tight Buzzer (-WA)	●	●	●	●														
	Loud Buzzer (-A)	incl	incl	●	●		incl	incl											
	Low Temperature Package (-LT)			●				●	●										
	Internal Heater (-H) or (-IH)	●	●		●	●							●	●	●	●	●	●	●
	Top (-L) or Side (-L2) Mounted Strobe	top	top	side	top														
	Manual Shutoff Switch (-SW)	●	●	●															
	Splash Guard (-S)			●	●	●		●	●			●	●	incl	●	●	●	●	●
	Sticky Gas Splash Guard (-SN)								●			●				●	●		
REMOTE DEVICES	ESH-A Remote Sensor			✓	/	✓							✓		✓	✓	✓		
	LNK-AI Analog Inputs	✓																	
	LNK-AO Analog Outputs	✓	✓																
	LNK-XT Network Extender	✓	✓																
	QCC-RDM Remote Display	✓	✓	✓															
	Remote Power Supply	✓	✓																
	Remote Strobe/Horn	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓		✓	✓	✓	✓	✓
	RLY-4 Remote Relays	✓	✓																
	RLY-8 Remote Relays	✓	✓																

incl indicates feature is included with the product

Grayed out squares indicate optional features

Checkmarks indicate compatible remote devices



For more information on our products or how to become a distributor, contact one of our Regional Sales Managers:

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