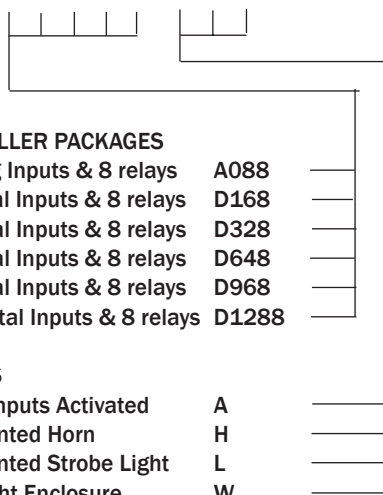




- Digital communication via RS-485
- Field programmable microcontroller circuit
- 8 analog or 32 digital channels
- Larger systems up to 128 transmitters
- Extensive zoning capabilities
- Add on 4 - 20 mA and relay output modules
- Scrolling LCD Digital display of gas, concentration, alarm status
- Low, Mid, High and Fault alarm indication
- Audible alarm with acknowledge button

PDC series systems are programmable digital controllers designed to handle a large number of remote transmitters and perform a wide range of control functions. The microcontroller based circuit provides the user with an almost unlimited range of configuration possibilities including simple or complex zoning, changing alarm set points, time delays and relay addressing. The controller can accept inputs from up to 8 analog transmitters or can handle up to 32 digital transmitters on a RS-485 communication bus. Expansion modules can be used to add another 32 digital transmitters to the system. Up to 8 of the channels on any system can be analog transmitters by selecting that option at the time of ordering. The controller has a two-line backlit LCD display that actively scrolls through all programmed channels and shows the gas name, concentration and alarm status. The PDC features LED alarm indicators and audible alarm with silence button. 4 to 20 mA analog output modules or relay output modules are available.

PDC - _____



CONTROLLER PACKAGES

8 Analog Inputs & 8 relays	A088	_____
16 Digital Inputs & 8 relays	D168	_____
32 Digital Inputs & 8 relays	D328	_____
64 Digital Inputs & 8 relays	D648	_____
96 Digital Inputs & 8 relays	D968	_____
128 Digital Inputs & 8 relays	D1288	_____

OPTIONS

Analog Inputs Activated	A	_____
Top Mounted Horn	H	_____
Top Mounted Strobe Light	L	_____
Watertight Enclosure	W	_____

PROGRAMMING

Each PDC is pre-programmed at the factory, and is completely field adjustable using a boardmounted pushbutton keypad. Functions that can be set include relay assignment, time delays on make or break, complex zoning, sensor types and ranges, alarm setpoints and much more.

TRANSMITTERS

The PDC in the analog configuration can accept inputs from any CET analog transmitter, as well as many other brands and types of 4 to 20 mA transmitters. The digital version of the PDC communicates with any CET digital transmitter on a RS-485 communication bus using a four conductor shielded cable (2 signal wires and 2 power wires). CET manufactures a wide range of transmitters with sensor and enclosure options to meet the requirements of many different applications. Gases detected include CO, NO2, Combustible Gases, Chlorine, Ammonia, Ozone, CO2, Oxygen, Refrigerants, Hydrogen, H2S, SO2 and more.

CONTROLLER SPECIFICATIONS

ENCLOSURE

Material	Rugged, Lockable, Powder Painted 18 guage Steel
Size	12" x 12" x 4" 305 mm x 305 mm x 75 mm
Weight	9.2 pounds 4.2 kg
Optional watertight fibreglass enclosure available	

POWER REQUIREMENT

100 to 240 VAC, 47 to 63 Hz

INDICATION

Visual	Scrolling, backlit LCD digital display Common LED lights for Power, Fail, Low, Mid and High Gas Alarms
Audible	Integral audible alarm rated 90 dB at 10' Door mounted silence button

RELAY OUTPUTS - BUILT IN

8 SPDT relays rated 5 A @ 240 VAC

ANALOG OUTPUT MODULE

Output module transmits 8 scalable analog 4-20mA signals

RELAY OUTPUT MODULE

Output relay module has 8 SPDT relays rated 5 A @ 240 VAC

WIRING

Analog	3 wire shielded
Digital	4 conductor shielded cable daisychain
Maximum wiring run distance is 4200 feet (1300 m) using Beldon 9418 cable or equivalent.	

OPERATING ENVIRONMENT

Temperature	0 to 40 degrees C 32 to 100 degrees F
Humidity	0 to 95% non-condensing

CERTIFICATIONS

CSA / UL inspected for electrical safety, CE pending

Authorized Distributor:

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