



SPECIFICATIONS

PDC SERIES PROGRAMMABLE DIGITAL CONTROLLER

Description

The PDC series are programmable, digital, multi-channel controllers used to monitor remote digital or analog transmitters, visually display their status with a scrolling LCD digital display and LED status indicators and initiate control actions through the board programmable relay outputs or analog output modules. Sensor values or information is constantly updated and displayed on the LCD display, located on the front panel door of the PDC series controller. These controllers can handle up to 8 analog transmitters or up to 128 digital transmitters. The controller comes with 8 built in relays. Output modules are available with 8 alarm relays or 8 4-20mA analog outputs. The PDC series controllers provide three levels of alarm (Low, Mid and High).

Specification

Analog Inputs:	1 to 8 channels, 4-20 mA
Digital Inputs:	Up to 128 (RS485 CAN communication bus)
Input Power:	90 to 250 VAC, 47 / 63 Hz.
Output Power:	24 VDC regulated
Relay Outputs:	Each controller comes with 8 integral relays. Expandable by adding external relay modules with 8 relays each. All relays are Form C rated 5A @ 240 VAC
Analog Outputs:	External modules with 8 only scalable and programmable 4-20 mA outputs each
LED Indicators:	Visual indication of alarm status Low, Mid, High, Fault, Power
Display:	2 line by 16-character backlit LCD digital display Indicates gas, gas concentration, alarm status and channel number
Time Delay:	Programmable alarm time delays and minimum fan run times
Alarm Trip Levels:	Programmable three alarm trip levels.
Audible:	90 dB @ 10', door mounted with silence / acknowledge button
Battery Back Up:	Set up for easy installation of a battery back up system (available from CETCI)
Enclosure:	18 gauge, locking, powder painted steel with hinged door and Lexan door label
Security:	Key lock on enclosure door
Certifications:	CSA / UL Tested for electrical safety. CE pending.