

DCT1000

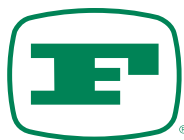
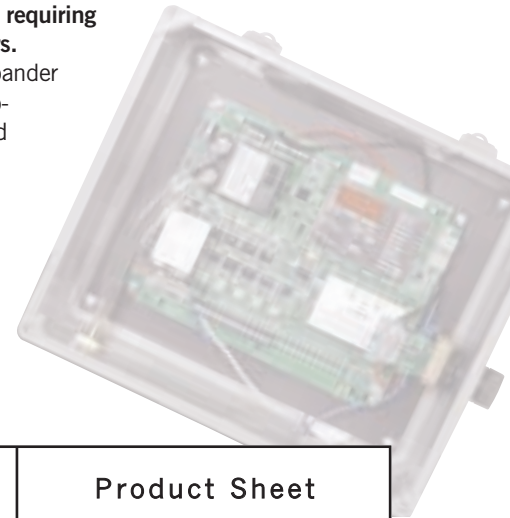
Dust Collector Controller




Timing is everything. That is why you need the DCT1000 to meet the demands of your dust collection system. The DCT1000 offers a compact modular design with enhanced features unmatched by industry standards.

Standard Features & Benefits –

- **Controls the pulsing of the dust collector.** Only pulses when you need it.
- **NEMA 4X enclosure** with on-demand continuous cleaning and power off.
- **Universal power supply accepts 85-270 VAC/VDC at either 50 to 60 Hz.** This feature addresses both domestic and overseas requirements.
- **Modular design allows for use as a continuous cleaning control, or on-demand cleaning control** using the plug-in pressure module.
- **Mounting holes are standard to other dust collector controllers used in the industry,** allowing you to use the DCT1000 for existing installations.
- **The DCT1000 is the same size for 6, 20 and 22 channels.** One board size means you standardize on one enclosure.
- **Alarm relays integral to the optional plug-in pressure module.** Eliminate the additional cost for a pressure switch.
- **4-20 mA process output integral to the plug-in pressure module.** No need to purchase an expensive process transmitter.
- **Latching relays and jumper wires are eliminated for large installations requiring channel expanders.** Each channel expander connected is automatically detected by the DCT1000.



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	Product Sheet
DCT1000	
SAFE AIR FOR A SAFE WORK ENVIRONMENT	

Safety & Protection

DCT1000

Terminal Locations for:

- Downtime Cleaning
- Alarm Mode
- Alarm Reset
- Manual Reset
- External Hi-Lo Limit Control (w/o pressure module installed)

Isolated Retransmission Port

Self powered or loop powered
4 to 20 mA.

Plug-in Pressure Module

Universal Power Supply

Accepts line voltages from
85 to 270 VAC/VDC. All low
voltage circuitry is isolated
for safety.

Differential Pressure Port

Active Channel Indicators

An LED is provided for each
channel and will be illuminated
when the solenoid is firing.

Programmable Control Panel Features:

- Large LED Display
- Cycle Delay in Minutes
- Alarm Indicators
- Manual Override Indication
- Auto Alarm Reset Indication
- Differential Pressure Indication in Inches w.c.

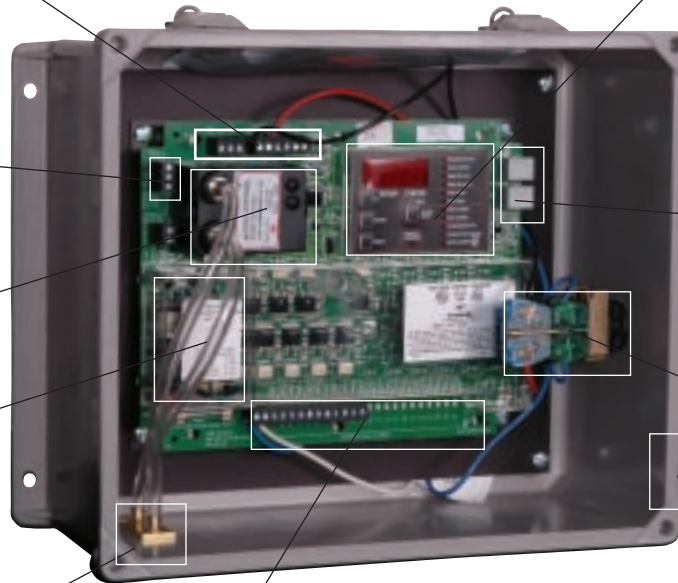
Expansion Ports

Allow easy connection between
master and expansion boards.

Standard Switch

Complete unit comes standard
with this switch for on-demand
cleaning, continuous cleaning
and power off.

NEMA 4X Enclosure



The **DCT1000** family of products consists of three major system components: the master controller, the pressure module and the channel expander.

STANDARD FEATURES IN THE MASTER CONTROLLER INCLUDE:

- Software menu that is easily accessible and is designed so that you do not need an instruction manual. There are no cumbersome menu keystrokes or passwords required to access the DCT1000.
- High/low limit control capability from an external source.
- Solenoid time/on-time/off settings.
- A universal power supply to meet domestic and overseas requirements.
- Auto/manual control capability so you always have control over the system.
- Downtime cleaning feature that allows for time based pulsing at the end of the plant shift or for completing a batch process.
- Programmable output configuration.
- Cycle delay feature that activates a time delay after the last solenoid in the system has been actuated.



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SAFE AIR FOR A SAFE WORK ENVIRONMENT

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