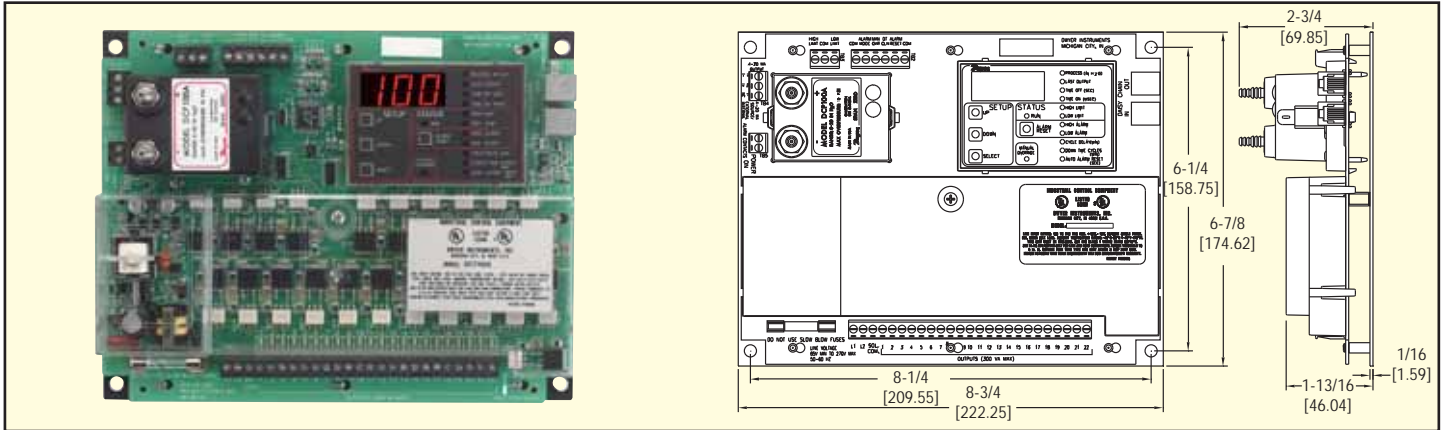




Series
DCT1000

Dust Collector Timer Controller

Modular Design, User Friendly, Up to 22 Channels



Simplify your on-demand cleaning requirements with the Series DCT1000 Dust Collector Timer Controller. Relying on one timer board for on demand and continuous cleaning applications, the DCT1000 eliminates external devices such as pressure switches, relays and timers.

Offering a universal power supply, the DCT1000 accepts 85-270 VAC/VDC at either 50 or 60 Hz for both domestic and overseas requirements. The units modular design allows for use as a continuous cleaning control or on-demand cleaning control using the optional plug-in pressure module. A 4-20 mA process output is integral to the plug-in pressure module, eliminating the need to purchase an expensive process transmitter. Mounting holes are standard to other dust collector controllers used in the industry, allowing you to use the DCT1000 for existing installations.

In addition, the DCT1000 is the same size for 6, 10 and 22 channels. One board size allows the standardization on one enclosure. Latching relays and jumper wires are eliminated for large installations requiring channel expanders. Each channel expander connected is automatically detected.

SPECIFICATIONS

DCT1000 Timer Controller:

Output Channels: 6, 10, & 22 channels. Expandable to 255 channels using DCT1122 & DCT1110 channel expander boards.

Power Requirements: 85 to 270 VAC, 50 or 60 Hz.

Power Consumption: 5 W.

Solenoid Supply: 3A maximum per channel.

Fuse: 3A @ 250 VAC. Low voltage control circuitry is isolated from the line voltage for system safety.

Temperature Limits: -40 to 140°F (-40 to 60°C).

Storage Temperature Limits: -40 to 176°F (-40 to 80°C).

On Time: 10 msec to 600 msec, 10 msec steps.

On Time Accuracy: +/- 10 msec.

Off Time: 1 second to 255 seconds, 1 second steps.

Off Time Accuracy: ±1% of the value or ±50 msec, whichever is greater.

Weight: 1 lb 3.0 oz (538.6 g).

Agency Approvals: UL, cUL.

DCP Pressure Module:

Pressure Ranges: 10" w.c. or 20" w.c.
Temperature Limits: -40 to 140°F (-40 to 60°C).

Pressure Limit: 10 psi (68.95 kPa).

Pressure Limit (differential): 10 psi (68.95 kPa).

Accuracy: +/- 1.5% F.S. @ 73°F (22.8°C).

Output Signal: 4-20 mA.

Alarm Contacts: 1.5A inductive load, 3A resistive load @ 30 VAC or 40 VDC.

Process Connections: Two barbed connections for use with 1/8" (3.18 mm) or 3/16" (4.76 mm) I.D. tubing.

Weight: 5.5 oz (155.9 g).

OPTIONS

WP – Weatherproof Housing Only

WPP – Weatherproof Housing with Pressure Ports

WPPS – Weatherproof Housing with Pressure Ports, Three Position Rotary Switch Installed

EXPL – Explosion-proof Housing

Multiple Boards stacked in enclosure available

ACCESSORIES

DCA, Channel expander cable available in 1 ft., 2 ft., and 4 ft. lengths

Series 1000, Process Indicator

Series 1010, Process Indicator with Alarm



DCT in optional NEMA 4/4X weatherproof enclosure.



DCT in optional Explosionproof Enclosure.



Model DCAC02 Cable Connection: For connecting multiple boards.



Master Board Stacked with Channel Expander.



Model Number	Description	No. of Channels	D.P. Range
DCT1022	Master Controller	22	
DCT1010	Master Controller	10	
DCT1006	Master Controller	6	
DCT1122	Channel Expander	22	
DCT1110	Channel Expander	10	
DCP200A	Pressure Module		20" w.c.
DCP100A	Pressure Module		10" w.c.

Process Control