SERIES DCT1000DC DUST COLLECTOR TIMER CONTROLLER For Low Voltage Applications



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The **SERIES DCT1000DC** Dust Collector Timer Controller simplifies on-demand cleaning requirements in low voltage applications by eliminating the need for external devices such as pressure switches, relays, and timers. The modular design allows for use as a continuous cleaning control or on-demand cleaning control using the optional plug-in pressure module. The DCT1000 is the same size for 6, 10, and 22 channels, allowing one board size to be the standard on one enclosure.

FEATURES/BENEFITS

- 10 to 30 VDC power requirement for low voltage applications
- Standard mounting holes to other dust collector controllers for use in existing installations
- Able to automatically detect any channel expander connected

APPLICATIONS

Dust collection

· Pneumatic conveying

MODEL CHART				
Model	Description	No. of Channels	D.P. Range	
DCT1022DC	Master controller	22	-	
DCT1010DC	Master controller	10	-	
DCT1006DC	Master controller	6	-	
DCP200A	Pressure module	-	20 in w.c.	
DCP100A	Pressure module	-	10 in w.c.	

OPTIONS		
To order add suffix:	Description	
-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	

ACCESSORIES		
Model	Description	
DPMA-402	Process indicator	

SPECIFICATIONS

DCT1000DC TIMER CONTROLLER Output Channels: 6, 10, & 22 channels. Power Requirements: 10 to 30 VDC. Solenoid Supply: 3 A maximum per channel. Fuse: 3 A @ 250 VAC. Temperature Limits: -40 to 140°F (-40 to 60° C). Storage Temperature Limits: -40 to 176° F (-40 to 80° C). On Time: 10 ms to 600 ms, 10 ms steps. On Time Accuracy: ±10 ms. Off Time: 1 s to 255 s, 1 s steps. Off Time Accuracy: ±1% of the value or ±50 ms, whichever is greater. Weight: 1 lb 3.0 oz (538.6 g).

DCP PRESSURE MODULE

Pressure Ranges: 10 in w.c. or 20 in 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% FS @ 73°F (22.8°C). Output Signal: 4 to 20 mA. Alarm Contacts: 1.5 A inductive load, 3 A 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) ID tubing. Weight: 5.5 oz (155.9 g). Agency Approvals: CE.



DCT in optional NEMA 4/4X weatherproof enclosure



DCT in optional Explosion-proof Enclosure

CE

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