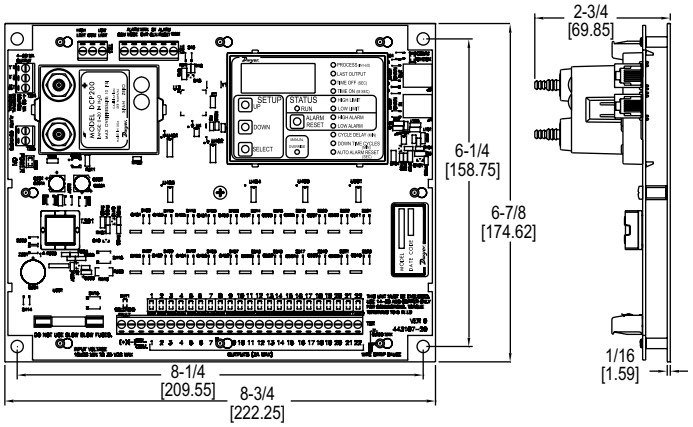
Dwyer

SERIES DCT1000DC

DUST COLLECTOR TIMER CONTROLLER

For Low Voltage Applications



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.

BENEFITS/FEATURES

- 10-30 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
-EXPL	Explosion-proof housing
-WP	Weatherproof housing only
-WPP	Weatherproof housing with pressure ports
-WPPS	Weatherproof housing with pressure ports, three position rotary switch installed

ACCESSORIES

Model	Description
DPMA-402	Process indicator

SPECIFICATIONS

DCT1000DC TIMER CONTROLLER

Output Channels: 6, 10, and 22 channels.
Power Requirements: 10-30 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: 4-20 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).
Compliance: CE.

DCT in optional NEMA 4/4X weatherproof enclosure

DCT in optional Explosion-proof enclosure