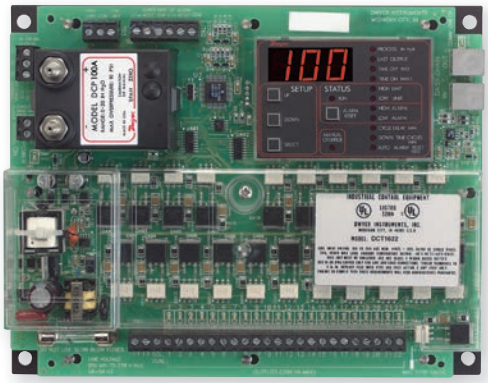
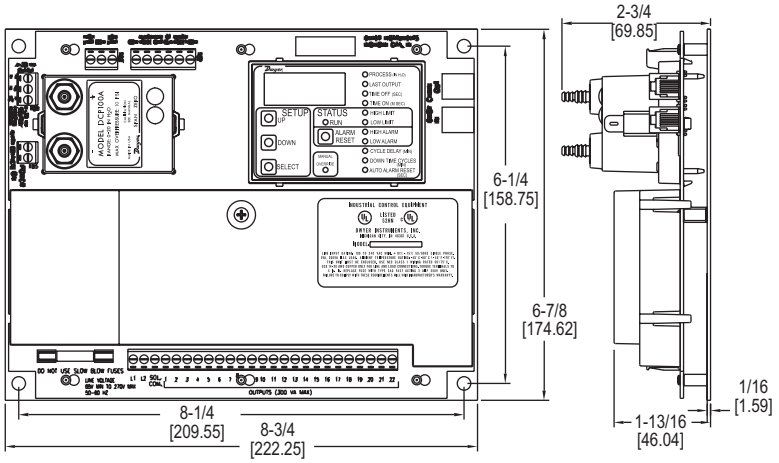
Dwyer

SERIES DCT1000

DUST COLLECTOR TIMER CONTROLLER

Modular Design, User Friendly, Up to 22 Channels





The **Series DCT1000 Dust Controller Timer Controller** simplifies on-demand cleaning requirements 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

- Universal power requirements for both domestic and overseas use
- 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

SPECIFICATIONS	
DCT1000 TIMER CONTROLLER	**DCP PRESSURE MODULE**
Output Channels: 6, 10, and 22 channels. Expandable to 255 channels using DCT1122 & DCT1110 channel expander boards. **Power Requirements:** 85-270 VAC, 50 or 60 Hz. **Power Consumption:** 5 W. **Solenoid Supply:** 3 A max per channel. **Fuse:** 3 A @ 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 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). **Agency Approvals:** cULus.	**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).

MODEL CHART			
Model	**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 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
Note: Multiple boards stacked in enclosure.	

ACCESSORIES	
Model	**Description**
DPMA-402	Process indicator
Note: DCA channel expander cable available in 1 ft, 2 ft, and 4 ft lengths.	

DCT in optional NEMA 4/4X weatherproof enclosure

DCT in optional Explosion-proof enclosure

DCAC02 cable connection for connecting multiple boards

Master board stacked with channel expander