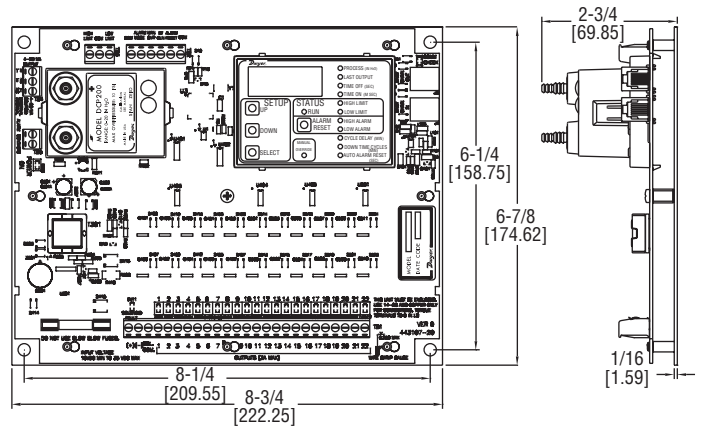
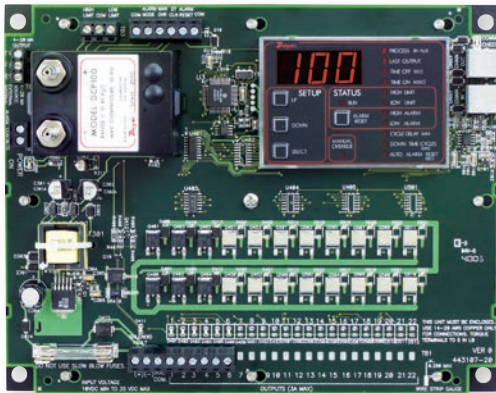


# DUST COLLECTOR TIMER CONTROLLER

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.

#### 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