

SERIES DCT1000 - DUST COLLECTOR TIMER CONTROLLER

with Optional DCP Pressure Module



A complete, simple controller that reduces both inventory and installation time.

The DCT1000 meets the demands of your dust collection control and pneumatic conveying systems.

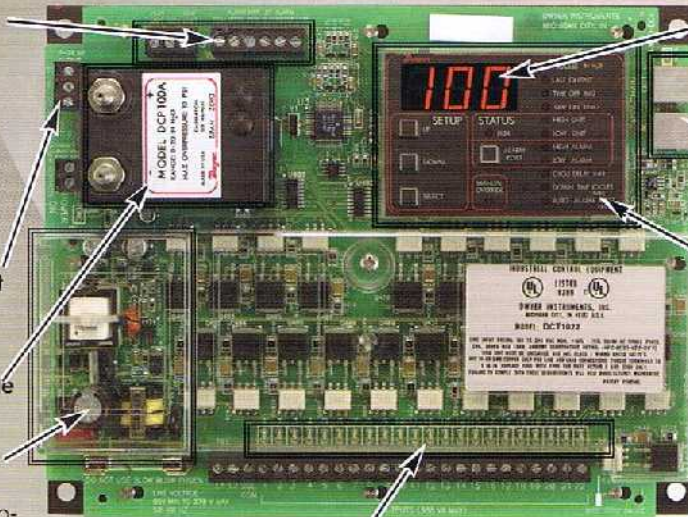
Terminal Locations for:

- Down Time Cleaning
- Alarm Mode
- Alarm Reset
- Manual Reset
- External Hi-Lo Limit Control (w/o DCP pressure module installed)

Isolated Retransmission Port
Self powered or loop powered 4 to 20 mA.

DCP Plug-in Pressure Module

Universal Power Supply
Accepts line voltages from 85 to 270 VAC/VDC. All low voltage circuitry is isolated for safety.



Process Indication -

LED Display of Process in inches w.c. (with optional DCP).

Expansion Ports - Allow easy connection between master and expansion boards.

Programmable Control Panel Features:

- Last Output
- Time Off
- Time On
- High/Low Limits
- High/Low Alarms
- Cycle Delay
- Down Time Cleaning
- Auto Alarm Reset

Active Channel Indicators - An LED is provided for each channel and will be illuminated when the solenoid is firing.

The Dwyer® **DCT1000** offers a compact modular design with enhanced features unmatched by industry standards.

Features Include:

- Software menu that is easily accessible and is designed so that you do not need an instruction manual. There are no cumbersome menu keystrokes or passwords required to access the DCT1000.
- High/low limit control capability from an external source such as the Dwyer® Photohelic® Gage.
- Solenoid time/on-time/off settings.
- A universal power supply to meet domestic and overseas requirements.
- Auto/manual control capability so you always have control over the system.
- Downtime cleaning feature that allows for time based pulsing at the end of a plant shift or for completing a batch process.
- Easily select the number of output channels.
- Cycle delay feature that activates a time delay after last solenoid has been actuated.

With the optional **DCP** pressure module that plugs directly into the DCT1000 control board, additional features include:

- Programmable auto/manual reset.
- Programmable high/low limit control settings.
- Isolated 4-20 mA for remote pressure display or to meet data logging requirements.
- SPST alarm relay for high/low operation.
- Continuous process indication.

Channel Expander Features:

Optional channel expanders allow for larger dust collector installations up to 255 channels. Each channel expander has up to 22 triac switches and are similar in appearance to the master controller, with the exception that the channel expanders do not have the on-board display and power supply present.

THE DCT1000. ONE BOARD...ONE SOLUTION...TIMING IS EVERYTHING.