

# Dust Collector Timer Controllers



The **DCT500 Series Timer Controller** is designed to provide continuous or on-demand cleaning for receivers and pulse jet systems. Available in either 4, 6 or 10 channels, each unit is the same size, minimizing enclosure space and reducing overall installation cost.

The **DCT500** is simple and easy to use. Time-On and Time-Off settings are selected using two potentiometers. High Limit and Low Limit control inputs are provided for use on demand systems. For added safety, the control circuitry including the control inputs are isolated from the line voltage.

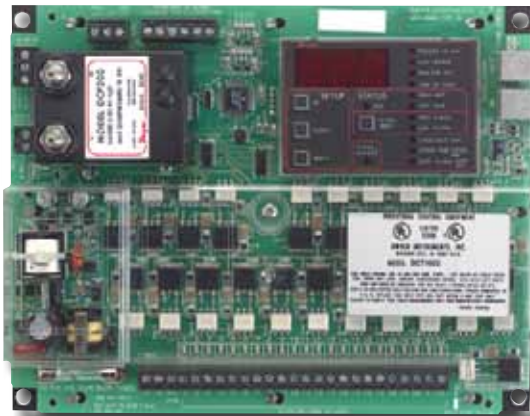
To meet your system requirements, an optional weatherproof enclosure is available. For on demand systems, a **Series 3000 Photohelic** or **Series 1800 Pressure Switch** maybe used in conjunction the **DCT500**.

## Specifications:

Output Channels:	4, 6 or 10 channels
Power Supply:	102 to 132 VAC, 50/60 Hz, 1.8W max. no load power
Solenoid Supply:	3A max. per channel
Temp. Limits:	-40 to 176°F (-40 to 80°C)
On Time Range:	50msec to 500msec
On Time Accuracy:	±5% of setting
Off Time Range:	1 second to 200 seconds
Off Time Accuracy:	±5% of setting
Weight:	9 oz (255g)

Model	Description	Price
<b>DCT504A</b>	Dust Collector Timer Controller, 4 channels	<b>\$141</b>
<b>DCT506A</b>	Dust Collector Timer Controller, 6 channels	<b>\$176</b>
<b>DCT510A</b>	Dust Collector Timer Controller, 10 channels	<b>\$197</b>
SUFFIX	Description	Price
<b>-WP</b>	Weatherproof Housing	<b>\$232</b>
<b>-L</b>	Mounting Bracket for Retrofits	<b>\$19</b>

# Dust Collector Timer Controllers



Simplify on-demand cleaning requirements with the **Series DCT1000** Dust Collector Timer Controller. Relying on one timer board for on demand and continuous cleaning applications, **DCT1000** eliminates external devices such as pressure switches, relays and timers. Offering a universal power supply, the **DCT1000** accepts 85-270 VAC/VDC at either 50 or 60 Hz for both domestic and overseas requirements. Modular design allows for use as a continuous cleaning control or on-demand cleaning control using the optional plug-in pressure modules. A 4-20 mA process output is integral to the plug-in pressure modules, eliminating the need to purchase an expensive process transmitter. Mounting holes are standard to other dust collector controllers used in the industry, allowing you to use the **DCT1000** for existing installations. In addition, the **DCT1000** is the same size for 6, 20 and 22 channels. One board size allows the standardization on one enclosure. Latching relays and jumper wires are eliminated for large installations requiring channel expanders. Each channel expander connected is automatically detected.

## Specifications:

Output Channels:	Up to 22 on one module, expandable to 255 using additional expansion modules
Solenoid Supply:	300 VA max.
On-Time:	10 msec to 600 msec, 10 msec steps
On-Time Accuracy:	±10 msec
Off-Time:	1 to 255 seconds, in 1 second steps
Off-Time Accuracy:	±1% of the value or ±50 msec
<b>DEFAULT SETTINGS</b>	
Channels:	All installed channels
Time-Off:	10 seconds
Time-On	100 msec
Down-Time Cycles:	1 minute
Cycle Delay:	0 minutes
Low Alarm/Limit:	1.0" w.c. (0.25 kPa)/3.0" w.c. (0.75 kPa)
High Alarm/Limit:	6.0" w.c. (1.49 kPa)/5.0" w.c. (1.24 kPa)
Auto Alarm Reset:	5 seconds
<b>GENERAL</b>	
Operating Temp.:	-40°F to 140°F (-40°C to 60°C)
Power Supply:	50 or 60 Hz, 85 to 270 VAC input
Power Input:	270 VAC RMS max., transients: 80 Joule @ 100 msec/50 Joule @ 2 msec
Weight:	1 lbs. 3.0 oz (538.6 g)

Model	Description	Price
<b>DCT1022</b>	Master Controller, 22 channels	<b>\$450</b>
<b>DCT1010</b>	Master Controller, 10 channels	<b>\$361</b>
<b>DCT1006</b>	Master Controller, 6 channels	<b>\$305</b>
<b>DCT1122</b>	Channel Expander, 22 channels	<b>\$328</b>
<b>DCT1110</b>	Channel Expander, 10 channels	<b>\$239</b>
<b>DCP200A</b>	Pressure Module, 20" w.c.	<b>\$290</b>
<b>DCP100A</b>	Pressure Module, 10" w.c.	<b>\$290</b>