

# Dwyer DCT500ADC Series Low Cost Timer Controller Owner's Manual

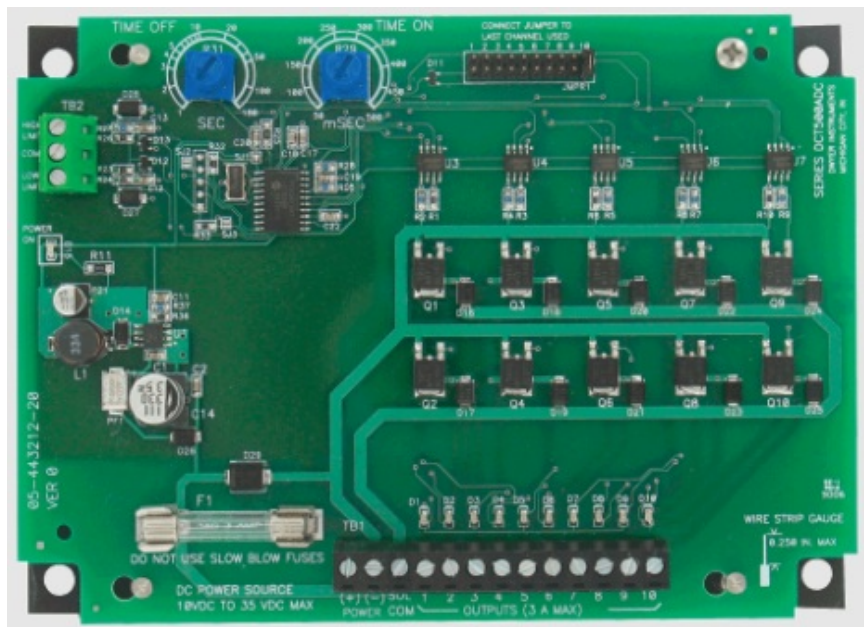
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**Dwyer DCT500ADC Series Low Cost Timer Controller**



## Product Information

### Specifications:

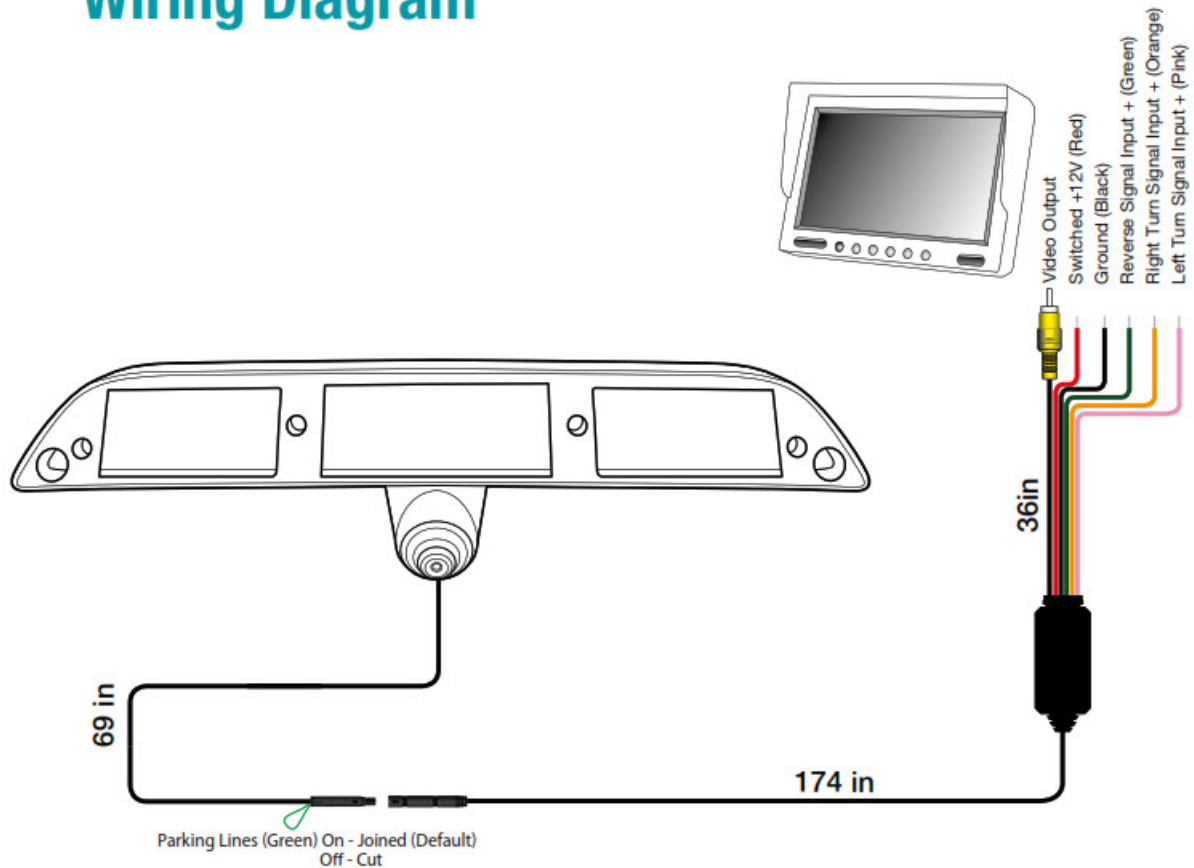
- **Output Channels:** 4, 6, and 10 channels
- **Power Requirements:** 10-35 VDC
- **Power Consumption:** 0.6 W
- **Solenoid Supply:** 3 A max. per channel
- **Fuse Type:** 3 AG, 3 A @ 250 VAC
- **Agency Approvals:** CE

### Description:

The Series DCT500ADC Low Cost Timer Controller is designed to provide continuous or on-demand cleaning for receivers and pulse jet systems. It is available in either 4, 6, or 10 channels, and each unit is the same size, minimizing enclosure space and reducing overall system installation cost. For added safety, the control circuitry including the control inputs are isolated from the line voltage.

### Dimensions:

# Wiring Diagram



- 6-1/4 [158.75] 6-3/4 [171.45]
- 4-1/4 [107.95]
- 4-7/8 [123.8]
- 1/16 [1.59] 1/2 [12.70] 1-21/64 [33.73]

## Product Usage Instructions

### Installation:

1. Select the desired number of channels (4, 6, or 10) for the timer controller.
2. Ensure that the power supply voltage is within the range of 10-35 VDC.
3. Connect the solenoid supply to the appropriate terminals, ensuring that the maximum current of 3A per channel is not exceeded.
4. If required, install the appropriate fuse (3 AG, 3A @ 250 VAC) for protection.
5. Mount the timer controller in a suitable location, considering the dimensions provided.
6. Refer to the wiring diagram for proper wiring connections.
7. If necessary, use the provided options (certificate of conformance, certificate of U.S. origin, horizontal mounting, large base plate, random off feature, weatherproof housing, stop on clean, or 10 second time on) while ordering.

### Operation:

Once the timer controller is installed and wired correctly, follow these steps to operate:

1. Ensure that the power supply is connected and within the specified range (10-35 VDC).

2. Apply the appropriate control inputs to activate the cleaning process for the receivers and pulse jet systems.
3. The timer controller will provide continuous or on-demand cleaning based on the control inputs received.

## FAQ:

- **Q: What are the available options for this timer controller?**

A: The available options for this timer controller include a certificate of conformance, certificate of U.S. origin, horizontal mounting, large base plate, random off feature, weatherproof housing, stop on clean, and 10 second time on.

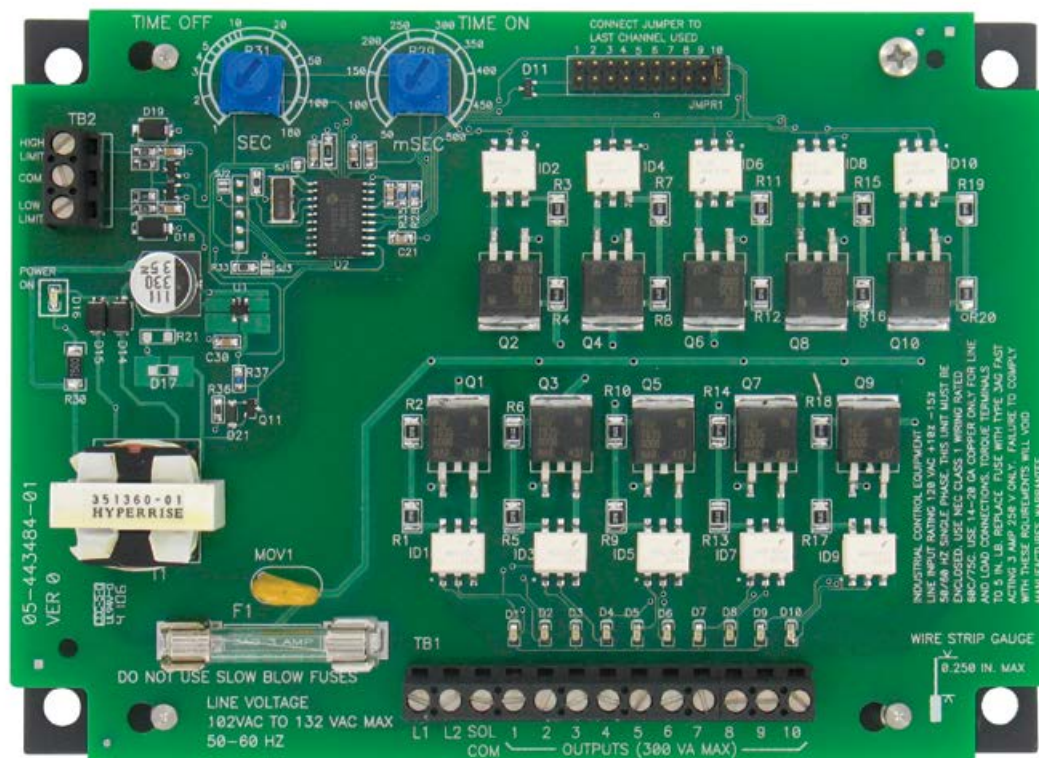
- **Q: How can I order this product?**

A: To order this product, use the bold characters from the provided chart to construct a product code. Specify the series (DCT5), number of channels (04ADC, 06ADC, or 10ADC), and any desired power solenoids input options. You can also order online through [dwyer-inst.com](http://dwyer-inst.com).

- **Q: Are there any safety features in this timer controller?**

A: Yes, the control circuitry including the control inputs are isolated from the line voltage, providing added safety.

## SERIES DCT500ADC | LOW COST TIMER CONTROLLER



## BENEFITS/FEATURES

- Easy to mount panel versions reducing installation time
- Built in wire strip gauge for ease of installation

- Optional weather proof housing for harsh environments

## **APPLICATIONS**

- Dust collection
- Pneumatic conveying
- Cement batch plants

## **DESCRIPTION**

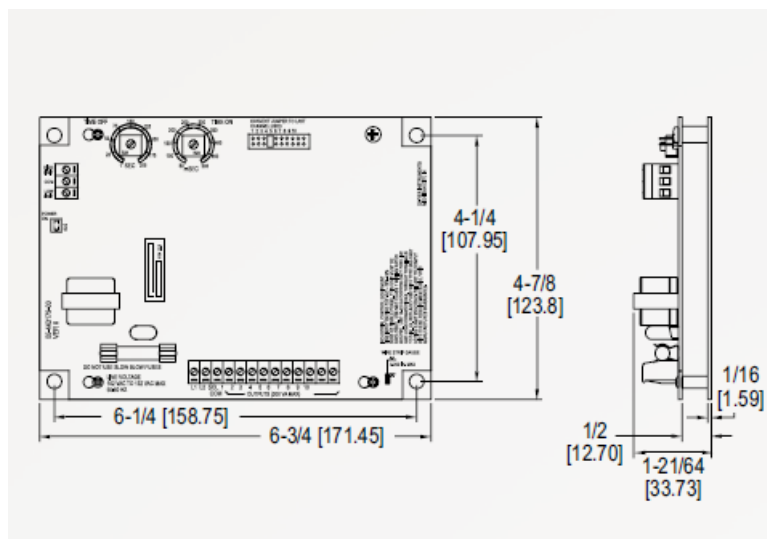
The Series DCT500ADC Low Cost Timer Controller is designed to provide continuous or on-demand cleaning for receivers and pulse jet systems. It is available in either 4, 6, or 10 channels, and each unit is the same size, minimizing enclosure space and reducing overall system installation cost. For added safety, the control circuitry including the control inputs are isolated from the line voltage.

## **SPECIFICATIONS**

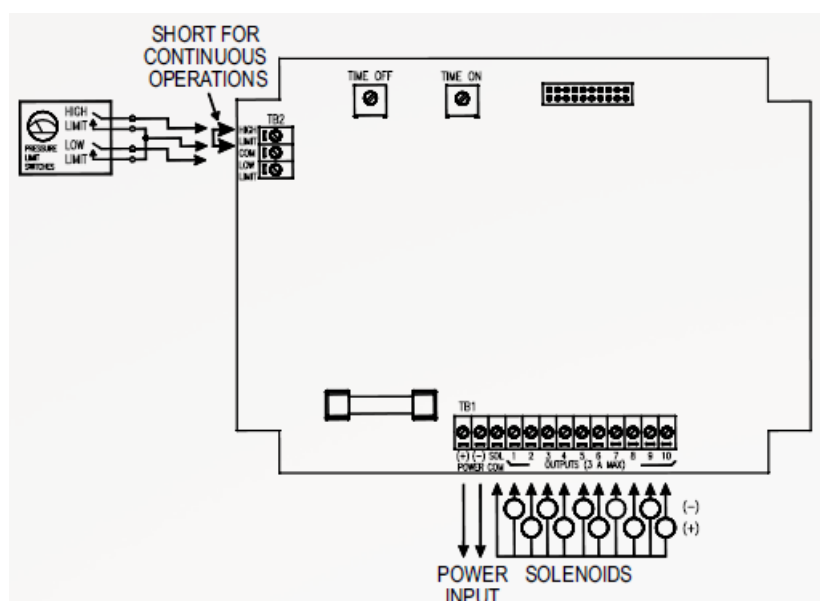
- Output Channels 4, 6, and 10 channels.
- Power Requirements 10-35 VDC.
- Power Consumption 0.6 W.
- Solenoid Supply 3 A max. per channel.
- Fuse Type 3 AG, 3 A @ 250 VAC.
- Temperature Limits -40 to 140°F (-40 to 60°C).
- Storage Temperature Limits -40 to 176°F (-40 to 80°C).
- On Time 50 ms to 500 ms.
- On Time Accuracy  $\pm 10$  ms.
- On Time Stability  $\pm 1$  ms.
- Off Time 1 s to 180 s.
- Off Time Accuracy  $\pm 5\%$  of setting.
- Weight 9 oz (255 g).
- Agency Approvals CE.

\*Additional specifications on IOM.

## **DIMENSIONS**



## WIRING DIAGRAM



## HOW TO ORDER

Use the bold characters from the chart below to construct a product code.

<b>SERIES</b>	<b>DCT5</b>	<b>04ADC</b>	<b>-WP</b>	<b>OPTIONS</b>
DCT5: Low cost timer controller				-COC: Certificate of conformance
<b>NUMBER OF CHANNELS</b>				-COO: Certificate of U.S. origin
04ADC: 4 channels				-H: Horizontal mounting
06ADC: 6 channels				-L: Large base plate
10ADC: 10 channels				-R: Random off feature
				-WP: Weatherproof housing
				-SC: Stop on clean
				-TO: 10 second time on


## ORDER ONLINE TODAY!

[dwyer-inst.com](http://dwyer-inst.com)

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## Documents / Resources

	<a href="#">Dwyer DCT500ADC Series Low Cost Timer Controller</a> [pdf] Owner's Manual DCT500ADC Series Low Cost Timer Controller, DCT500ADC Series, Low Cost Timer Controlle r, Cost Timer Controller, Timer Controller, Controller
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## References

- [Dwyer Home](#)
- [User Manual](#)