**Series DCT1000DC**

**Dust Collector Timer Controller**
For Low Voltage Applications

Simplify your on-demand cleaning requirements with the Series DCT1000DC Dust Collector Timer Controller. Relying on one timer board for on demand and continuous cleaning applications, the DCT1000DC eliminates external devices such as pressure switches, relays and timers.

The DCT1000DC accepts 10-30 VDC power. The units modular design allows for use as a continuous cleaning control or on-demand cleaning control using the optional DCP plug-in pressure module. A 4-20 mA process output is integral to the DCP pressure module, eliminating the need to purchase an expensive process transmitter. A solenoid fault light on the DCT1000DC notifies the operator when a solenoid valve fails to activate properly.

The DCT1000DC is the same size for 6, 10 and 22 channels. One board size allows the standardization on one enclosure. For larger installations the DCT1000DC may be expanded by connecting multiple boards in series with the DCA cable.

**SPECIFICATIONS**

**DCT1000DC Timer Controller:**
- **Output Channels:** 6, 10, & 22 channels.
- **Power Requirements:** 10 - 30 VDC.
- **Solenoid Supply:** 3A maximum per channel.
- **Fuse:** 3A @ 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 msec to 600 msec, 10 msec steps.
- **On Time Accuracy:** ±10 msec.
- **Off Time:** 1 second to 255 seconds, 1 second steps.
- **Off Time Accuracy:** ±1% of the value or ±50 msec, whichever is greater.
- **Weight:** 1 lb 3.0 oz (538.6 g).

**DCP Pressure Module:**
- **Pressure Ranges:** 10˝ w.c. or 20˝ 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% F.S. @ 73°F (22.8°C).
- **Output Signal:** 4-20 mA.
- **Alarm Contacts:** 1.5A inductive load, 3A 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) I.D. tubing.
- **Weight:** 5.5 oz (155.9 g).
- **Agency Approvals:** CE.

**OPTIONS**

- **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
- **Multiple Boards** stacked in enclosure available

**ACCESSORIES**

- **DCA,** Channel expander cable available
- **in 1 ft., 2 ft., and 4 ft. lengths**
- **Series 1000,** Process Indicator
- **Series 1010,** Process Indicator with Alarm

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>No. of Channels</th>
<th>D.P. Range</th>
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<tbody>
<tr>
<td>DCT1022DC</td>
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<tr>
<td>DCT1010DC</td>
<td>Master Controller</td>
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<td>DCT1006DC</td>
<td>Master Controller</td>
<td>6</td>
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<tr>
<td>DCP200A</td>
<td>Pressure Module</td>
<td></td>
<td>20˝ w.c.</td>
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<tr>
<td>DCP100A</td>
<td>Pressure Module</td>
<td></td>
<td>10˝ w.c.</td>
</tr>
</tbody>
</table>

**Model DCAC02**

- **Cable Connection:** For connecting multiple boards.

**CALL TO ORDER:**
- U.S. Phone 219 879-8000
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- Australia Phone (+61) (0) 2 4272 2055