The Series DCT1000 Dust Controller Timer Controller simplifies on-demand cleaning requirements 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**
- Universal power requirements for both domestic and overseas use
- 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

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Description</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCT in optional NEMA 4/4X weatherproof enclosure</td>
<td>DCT in optional Explosion-proof enclosure</td>
</tr>
<tr>
<td>DCAC02 cable connection for connecting multiple boards</td>
<td></td>
</tr>
</tbody>
</table>

**DCT1000 TIMER CONTROLLER**
- Output Channels: 6, 10, & 22 channels.
- Expandable to 255 channels using DCT1122 & DCT1110 channel expander boards.
- Power Requirements: 85 to 270 VAC, 50 or 60 Hz.
- Power Consumption: 5 W.
- Solenoid Supply: 3 A max per channel.
- Fuse: 3 A @ 250 VAC. Low voltage control circuitry is isolated from the line voltage for system safety.
- 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.
- Off Time: 1 s to 255 s, 1 s steps.
- Off Time Accuracy: ±10 ms.
- On Time Accuracy: ±1% of the value or ±50 ms, whichever is greater.
- Weight: 1 lb 3.0 oz (538.6 g).
- Agency Approvals: cULus.

**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).

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>No. of Channels</th>
<th>D.P. Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCT1022</td>
<td>Master controller</td>
<td>22</td>
<td>-</td>
</tr>
<tr>
<td>DCT1010</td>
<td>Master controller</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>DCT1006</td>
<td>Master controller</td>
<td>6</td>
<td>-</td>
</tr>
<tr>
<td>DCT1122</td>
<td>Channel expander</td>
<td>22</td>
<td>-</td>
</tr>
<tr>
<td>DCT1110</td>
<td>Channel expander</td>
<td>10</td>
<td>-</td>
</tr>
<tr>
<td>DCP200A</td>
<td>Pressure module</td>
<td>-</td>
<td>20 in w.c.</td>
</tr>
<tr>
<td>DCP100A</td>
<td>Pressure module</td>
<td>-</td>
<td>10 in w.c.</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPMA-402</td>
<td>Process indicator</td>
</tr>
</tbody>
</table>

Note: Multiple boards stacked in enclosure.

Note: DCA channel expander cable available in 1 ft, 2 ft, and 4 ft lengths.