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 to 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 to 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.

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

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).
- 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

ACCESSORIES
DPMA-402, Process Indicator

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>No. of Channels</th>
<th>D.P. Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCT1022DC</td>
<td>Master Controller</td>
<td>22</td>
<td>20 in w.c.</td>
</tr>
<tr>
<td>DCT1010DC</td>
<td>Master Controller</td>
<td>10</td>
<td>20 in w.c.</td>
</tr>
<tr>
<td>DCT1006DC</td>
<td>Master Controller</td>
<td>6</td>
<td>20 in w.c.</td>
</tr>
<tr>
<td>DCP200A</td>
<td>Pressure Module</td>
<td>20</td>
<td>20 in w.c.</td>
</tr>
<tr>
<td>DCP100A</td>
<td>Pressure Module</td>
<td>10</td>
<td>10 in w.c.</td>
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