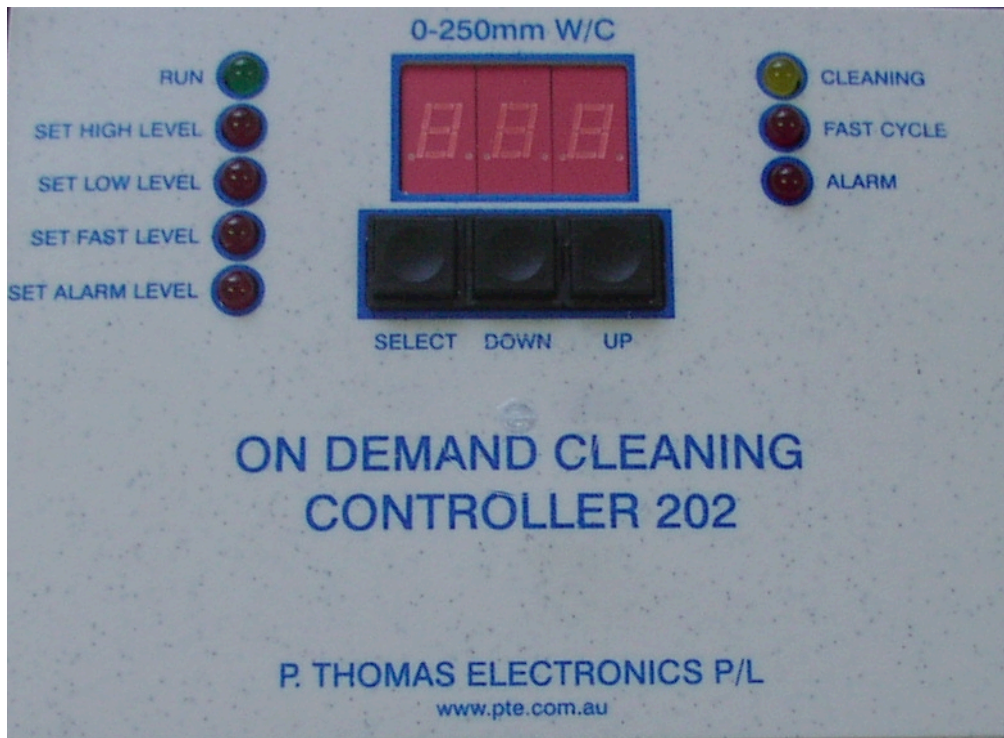




P. Thomas Electronics

ON DEMAND CLEANING CONTROLLER - ODC-202



DESCRIPTION:

The ODC-202 will monitor and display the differential pressure across your dust collectors clean and dirty sides. To achieve effective on demand cleaning for extended bag or cartridge life as well as reduced compressed air consumption and improved filter efficiency, the sensor will identify a pre-set high level limit and start the timer/sequencer until the pre-set low level has been reached and then stop the sequence.

The ODC-202 has four programmable presets from 0-250mmW/C

High level - will start sequence

Low level - will stop sequence

Fast level - will start the fast cleaning cycle on PT series timer

Alarm level - will activate a relay output

There is also a 4 - 20 mA current loop for external monitoring. The sensor is a true two-wire device and delivers a 4 to 20 mA output signal proportional to differential pressure. The unit is calibrated at the factory. However, the offset and gain adjustments are accessible.

The zero may be adjusted with pressure ports open to atmosphere. Adjust the offset to 4mA and display will read 00.

For full scale adjustment connect accurate pressure standard of 250mmW/C to high pressure port and low pressure port open to atmosphere, adjust the gain potentiometer to 20mA display will read 250.

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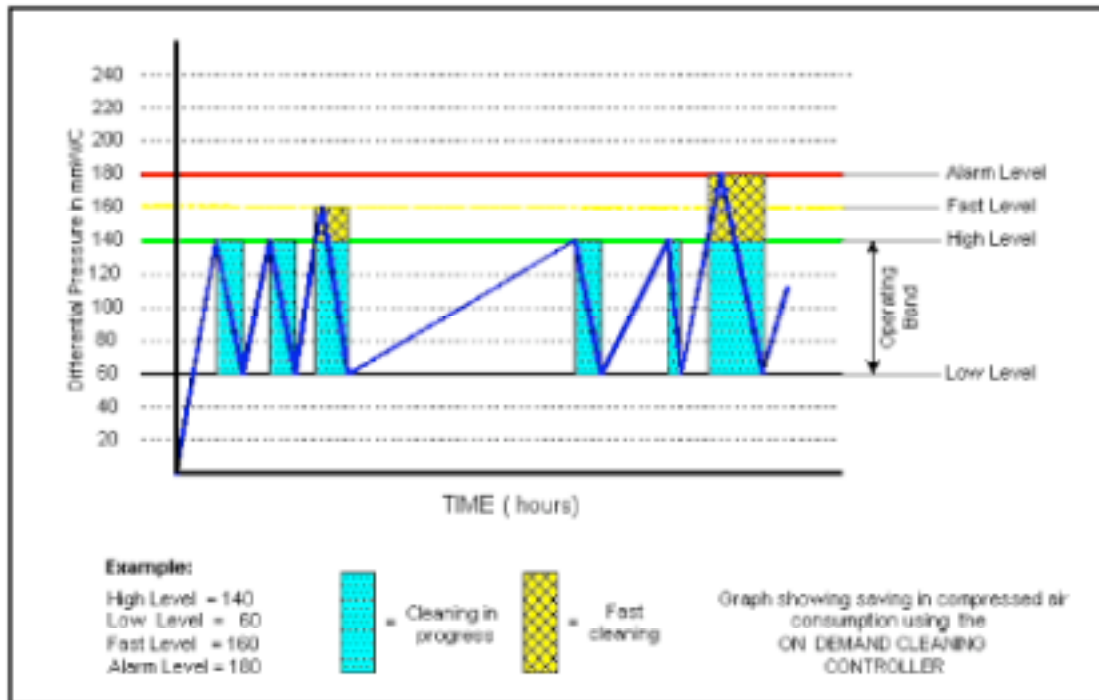
SPECIFICATIONS:

<u>Supply Voltage:</u>	240VAC (other Voltages available)
<u>Fuse</u>	250mA
<u>Relay Contacts</u>	10A-250VAC/10A-30VDC
<u>Pressure Range</u>	0 - 250mmW/C (approx. 0 - 2.5 KPA)
<u>Overpressure</u>	20 psi
<u>Output Signal</u>	4 - 20 mA 2 wire
<u>Accuracy</u>	0.1% at 25deg.C
<u>Additional Temp.Error</u>	0.1% per deg.C deviation from 25deg.C
<u>Pressure Connections</u>	2 Bulkhead Fittings suitable for 4mm ID and 6mm OD hose

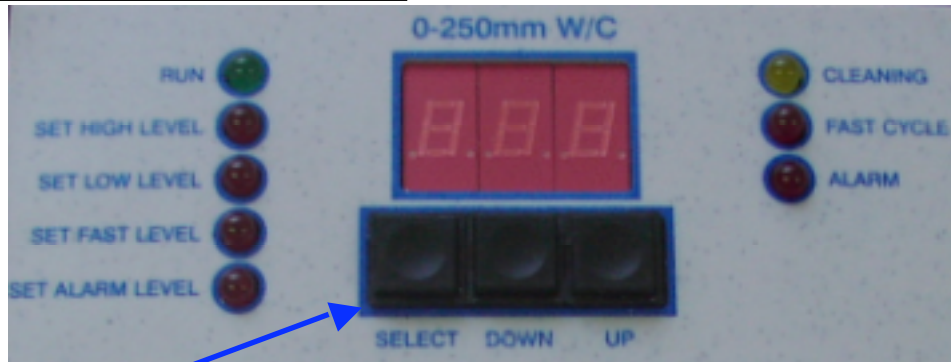
DIMENSIONS:

The ODC-202 Controller is fitted in a IP65 plastic enclosure 200 x 160 x 135mm with clear lid

GRAPH



PROGRAMMING INSTRUCTIONS:



Press the "SELECT" button to illuminate the RED LED indicator to the left of the program display.

1. the SET HIGH LEVEL light will come on
2. press SELECT, SET LOW LEVEL turns on
3. press SELECT, SET FAST LEVEL turns on
4. press SELECT, SET ALARM LEVEL turns on

Each time the SELECT button is pressed the next specific function LED will illuminate.

Once a function has been selected, press the UP or DOWN push button to set the desired operation levels displayed on the program display.

After completion press the the select button to illuminate the GREEN LED indicator " RUN ".

Now as all setting are locked in and the differential pressure hoses are connectet, the program display will indicate the differential pressure. To check or change a specific function just push the SELECT button and illuminate the desired LED function. The program display will indicate the current value setting. In that position a change can be made and when completed push the select button to illuminate LED indicator " RUN ".