

PROGRAMMABLE SEQUENCER PT50DC

DESCRIPTION:

The PT50DC is a solid state sequencer designed to provide an adjustable pulse to control the pulse valves on reverse jet dust collectors. The number of outputs, on time, off time 1, off time 2 (fast) and clean up cycle are programmed by the program buttons and displayed on the program display. Two pressure switch control inputs are provided to control the operation of the timer. If connected to D.P.SWITCH interrupt terminal (1) the timer will remember the last solenoid energised and continue with the next output. If connected to the full cycle terminal (2) the timer will complete the sequence and stop at the last output. The clean up feature will run the timer for a programmed number of complete cycles (0-255) after the baghouse fan is turned off. The clean up cycle is initiated by the opening of the auxiliary contact of the fan contactor. A jumper wire must be fitted if clean up cycle is not used. A GREEN LED marked - FUSE OK - will be illuminated as long as power is connected and the fuse has not blown.

SPECIFICATIONS:

<u>Input voltage</u>	<u>240VAC, 50-60Hz or 24VDC</u>
<u>Fuse</u>	<u>2Amp slow 5x20mm</u>
<u>No. of Outputs</u>	<u>up to 50</u>
<u>Off Time 1</u>	<u>1 to 999 seconds (in 1 second steps)</u>
<u>On Time</u>	<u>10 to 990 milliseconds (in 10 ms steps)</u>
<u>Clean up cycle</u>	<u>0 to 255</u>
<u>Output voltage</u>	<u>24VDC</u>
<u>Load output</u>	<u>2 Amp</u>
<u>Operating temp.</u>	<u>-10 to + 55 degree centigrade</u>
<u>Terminals for wiring</u>	<u>screw terminals or plug and socket to order</u>

Other voltages and program changes are available to order

DIMENSIONS:

The PT50DC consists of a P.C. card 490 mm long, 220 mm wide and 60mm high. A suitable dustproof plastic or metal enclosure is available.



P THOMAS ELECTRONICS
17 Windsor Street, Richmond 2753 Australia
Tel. +612 4578 9611 fax +612 4578 9622
www.ptec.com.au

PROGRAMMING INSTRUCTIONS:

Press the SELECT button to illuminate the RED LED indicator to the left of the program display. Each time the SELECT button is pressed the next specific function LED will illuminate. Press the UP or DOWN push button to set the desired

No. of valves

ON time

OFF time 1

CLEAN UP

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

Now as all settings are locked in , the program display will indicate 0 and the timer will go through the sequence. To check or change a specific function just push the SELECT button and illuminate the desired LED. The program display will display the current setting. In that position a change can be made and when completed push the select button to illuminate LED indicator "RUN".

SEVEN SEGMENT PROGRAM DISPLAY:

The program display will provide you with the following information:

Display reads 0 = Sequencer is running

Display reads 1 = Check pressure switch

Display reads 2 = Clean up cycle complete

Display reads 3 = Full cycle complete

Display reads 4 = Pressure switch interrupt