

ON Line Bag Filter Timer
Model No. : SC04/6/16/48/64

POUSHALI ELECTRONICS

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INTRODUCTION :

The Poushali Electronics make ON Line Bag Filter Timer has been designed to operate the equipments used for dust collection purpose in modern Industries, especially in the POWER, CEMENT, METAL & STEEL, MATERIAL HANDLING sectors.

The controller is wall mounting type and hazard free in operation. It is designed in one no. of basic card. Components are used, which are reliable and readily available to facilitate easy operation and cost effective maintenance.

The controller is having a “Power ON” indication along with LEDs, which provide visual indication for energized relay for the selective solenoids. Once switched ON the controller operates the solenoid valves with a certain time duration (ON time) measured in milli seconds and with a preset time interval measured in seconds (Off time)

The controller is having LEDs which provide visual indication for “Power ON” and energized relay for the selective solenoids. Once switched ON the controller operates the solenoid valves with certain time duration (ON time) measured in milli seconds and with a preset time interval measured in seconds (Off time).

Two Potentiometers are provided for ‘ON’ time (50msec to 250msec) and ‘Off’ time (5sec to 125sec) settings.

The controller is designed with a facility of ‘RUN’ and ‘TEST’ mode selection switch and CHANNEL selector switch.

The controller has provided with two digital inputs and two Relay output along with LED indication. Input one for ‘Remote Start’ and another for ‘High Pressure’. Relay output one for ‘Timer OK’ and another for ‘Timer Running’.

It has fuse F1, which is 250mA and F2 as per load

OPERATION:

There are two modes of operation, one is “Test Mode” and another is “Run Mode”.

Test Mode- relays for solenoids can be test from this menu.

RUN Mode:

With the ‘Power ON’ Timer will go to “Run Mode” and it starts the system automatically if the ‘Remote Start’ input is ok and Differential Pressure of Bag House becomes Hi. The solenoids of that chamber start purging as per pre-sated ‘ON’ and ‘OFF’ time and follows the same sequence in cyclic order. The Timer Running Relay also become ON.

If one of above two inputs withdrawn, the timer becomes 'Stand By' condition and Timer Running Relay becomes OFF.

Again when those two inputs become in normal or operation condition the Timer will Start automatically and Timer Running Relay becomes ON.

FAULT Finding:

1) No Power : Check the 230V AC supply and fuse F1

2) For other Faults : Consult Factory

SAFETY MEASURES:

Enclosure IP54.

Power Supply Card is fuse protected.

All Solenoid Outputs are fuse protected.

All Relay Contacts are surge protected by MOV.

SPECIFICATIONS:

No. of Solenoid	:	Up-to 64Nos
On Time duration	:	50 milli seconds to 250 milli seconds
Off Time duration	:	5seconds to 125 seconds
Potential Free Relay output	:	3Amps for 220VAC / 5Amps for 24V DC
Solenoid Power Supply	:	220V AC (110V AC / 24V DC optional)
Controller input Power Supply	:	220V AC +/- 10%, 50 Hz (110V AC +/- 10%, optional)
Enclosure	:	Wall mounting type IP54 enclosure (IP55/IP65 optional).
Operating Temperature	:	0 to 55 Deg.C
