



**INTRODUCTION:**

The Poushali Electronics make Sequential Controller 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 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)

Two Potentiometers are provided for ‘ON’ time and ‘Off’ time settings.

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

The controller is provided with two digital inputs along with LED indication. One for ‘Remote Start’ and another for ‘High Pressure’.

The controller is having 1 to 16 relays (solenoid outputs are in matrix format, 8 relays for multiplier and 8 relays for solenoids) for 48 solenoids. It has 2 fuses F1 & F2. Fuse F1 is 250mAmps for transformer and fuse F2 is for solenoid input current.

It is also provided two Relays. One Relay output for ‘Timer Power On’ and one Relay output for ‘Timer Running or Healthy’ Indication.

**SAFETY MEASURES:**

Enclosure IP54. ( IP55, IP65 Optional)

Power Supply Card is fuse protected.

All Solenoid Outputs are fuse protected.

All Relay Contacts are surge protected by R-C Ckt.

**SPECIFICATIONS:**

No. of channel	:	up-to 64Nos
On Time duration	:	50 milli seconds to 250 milli seconds
Off Time duration	:	5seconds to 125 seconds
Potential Free Relay output for solenoid operation	:	3Amps for 220VAC / 10Amps for 24V DC
Solenoid Power Supply	:	220V AC ( 110V AC / 24V DC optional )
Controller input Power Supply optional )	:	220V AC +/- 10%, 50 Hz ( 110V AC +/- 10%, optional )
Enclosure	:	Wall mounting type IP55 enclosure.
Operating Temperature	:	0 to 55 Deg.C
Size	:	400mm (W) x 210mm (H) x 150mm (D including canopy)