ELECTROFIL

The Smarter Side of Filtration

SEQUENTIAL TIMER – AT SERIES

Smart control. Cleaner filters. Better performance.

The PLEATOFIL® Sequential Timer is the ideal solution for optimizing the performance of your pulsejet baghouse system. This advanced timer automates the cleaning cycle by sequentially activating solenoid valves, delivering powerful bursts of compressed air to keep filter bags clean and efficient. Developed by a team with over 30 years of experience in manufacturing dust collector spares, this timer combines reliability, efficiency, and engineering excellence. **The PLEATOFIL®** Sequential Timer automates solenoid valve activation in a precise sequence, delivering powerful, controlled air pulses that keep filter bags clean and airflow uninterrupted. With user adjustable settings, it ensures optimal cleaning with reduced compressed air consumption.

Features

- Sequential timer specifically designed for pulse jet dust collectors
- Easy to use adjustable control for
    - o No. of Relays / Channels
    - o Off time / Interval duration
    - o On time / Pulse duration
    - o Pause time / Cycle interval duration
- Upto 32 Channels
- Remote start
    - o To connect with a DP switch
        - or
    - o Through PLC (Potential free contact)
- Memory retention during power failure and
- Protection from spikes and power surges
- IP65 enclosure

DISPLAY SPECIFICATIONS	
Display type	Seven segment LED
Display	2 digit for no. of channel and 4 digit for time
LED Indication	Status, Off time, On time, Pause time
INPUT SPECIFICATIONS	
On board start input	Tactile push button
External start input	Optocoupler isolated potential free input
OUTPUT SPECIFICATIONS	
Relay Contact	Upto 32 nos., NO with single common (with VRD for AC i/o)
Contact rating	7 /5A @ 230 VAC
FUNCUNTIONAL SPECIFICATIONS	
Mode	On Delay
Time range	Off time : 0-9999 Sec On time : 0-9999 millisecond Pause time : 0-9999 Sec
Resolution	Off time : 1 Sec On time : 10 millisecond Pause time : 1 Sec
Counting direction	No. of channels : UP Time : Down
Time settings	Tactile push button (on board)
Reset	Tactile push button (on board)
No. of channels	Optional 6, 10, 16, 24, 32
SUPPLY SPECIFICATIONS	
Supply voltage	220 VAC (50 Hz)
Power consumption	3 VA
	110 VAC / 12 VDC / 24 VDC available on request
OUTPUT SPECIFICATIONS	
Voltage	Same as input voltage
	Different input and output voltage available on request
ENVIRONMENT SPECIFICATIONS	
Operating temperature	Operating: 0 to 50°C Storage: - 5 to 50°C
Humidity (non condensing)	95% RH
MECHANICAL SPECIFICATIONS	
Enclosure	CRCA, powder coated IP65
Mounting	Surface mount (wall mount)
Weight	2 to 4 Kgs depending on selected model

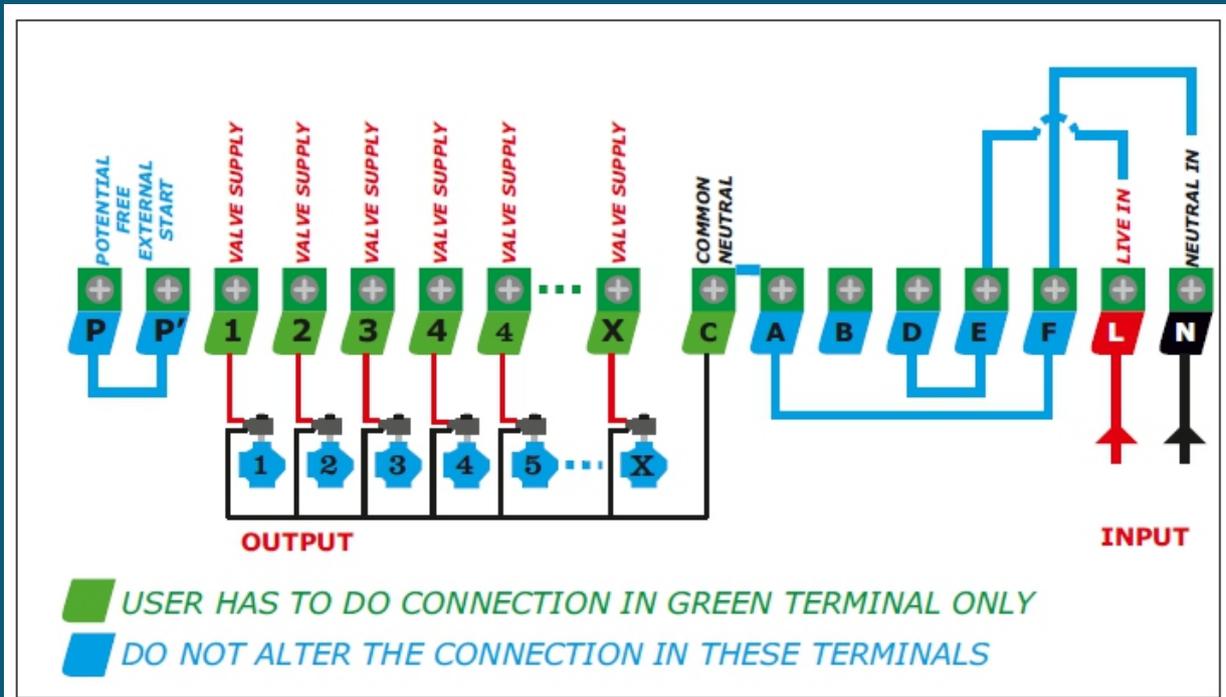| SPECIAL FUNCTIONS	
EXTERNAL START	DEFAULT MODE : Timer will run only for the duration for which the potential free contact P & P' are shorted together PULSE MODE : Timer will run as soon as the potential free contact P & P' are shorted together even if for the fraction of a second and keep on running till the cycle is completed. After the cycle is complete system will check again if the potential free contact P & P' are shorted together. If yes timer will run for another cycle, if not timer will wait in standby till P & P' are shorted
TIME CYCLE	Fresh Cycle : Every time the External start is opened and closed back or there is a power failure the timer will start running from a fresh cycle i.e. 1'st relay's selected on time Existing Cycle : Every time the External start is opened and closed back or there is a power failure the timer will start running from the point of time where the interrupt happened.
	* To access the special functions, get in touch with our representative

ORDERING INFORMATION	
NO. OF CHANNELS	6, 10, 16, 24, 32
INPUT VOLTAGE	230 VAC / 110 VAC / 24 VDC / 12 VDC
OUTPUT VOLTAGE	230 VAC / 110 VAC / 24 VDC / 12 VDC
ENCLOSURE	None / Sheet metal IP65 / Flame proof

SEQUENTIAL TIMER

CONNECTION DIAGRAM

USER HAS TO DO CONNECTION IN GREEN TERMINAL ONLY

DO NOT ALTER THE CONNECTION IN THESE TERMINALS

AMRIT FILTRATION PVT. LTD.

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