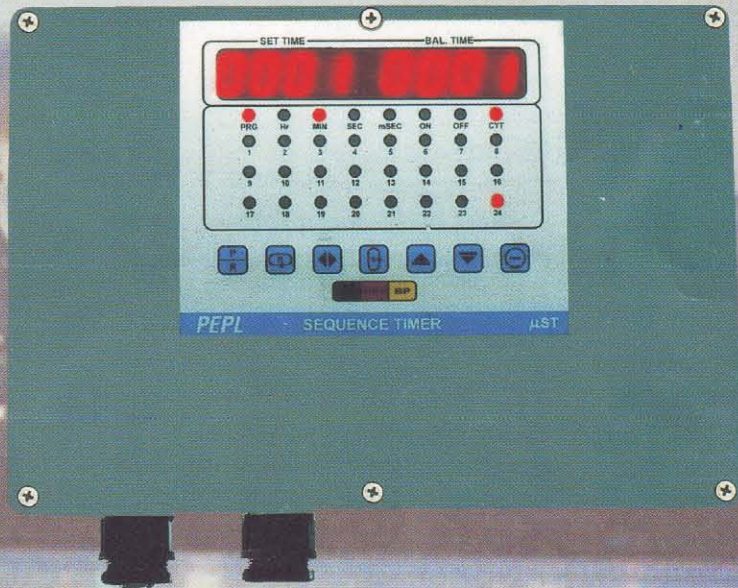


This Sequence timer is useful for industrial applications where a series of industrial devices are required to be run in a sequential manner. The instrument can be programmed to get time intervals of variable timing with different units (msec, sec, min, hr). A relay contact for each channel is available at output. In case of need, one or more number of channels can be bypassed.

µC BASED



FEATURES:

- Optical Isolation between Input & Output.
- "Bypass" message flash on seven segment when all channels are bypass.
- "RLY OPEN" flashing indication at the end of cycle if initiation contact opens.
- Err/ data err message is displayed for a short while if the data selected thru the front key does not suit as per unit selected or vice versa.
- New data selected thru front key are implemented at the beginning of new cycle or if reset key pressed.
- Reset key provided if user wants the cycle to restart from beginning.
- Key lock provision to avoid programmed data tampering.
- On power off, on/off status, balance time left and channel number are saved.
- During run mode, run mode LED flashes to indicate healthy functioning of system.
- A set of seven keys, six for programming & one for resetting function.
- If the function is in pause time period during power off state then at power on sequence starts from beginning.

Pyrotech

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 - * 5 Years, Free after sales service at our site.
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Technical Specifications

Model Code	: μ ST-19, Type- Relay O/P
Input / Output	
Input	: Sequence cycle ON contact.
Output	: One relay NO contact for each channel.
Contact rating	: 6A at 230VAC.
Display	
Display	: (A) Set time/balance time on 7 seg. LED display. (B) Channel on/off /bypass indication by LED.
Size of digit	: 0.5"(12.5mm).
Bi colour LEDs	: Separate bi colour LED for On / Off / Ch. Bypass indication. (A) On duration – Green (B) Off duration – Red (C) Ch. bypass – Yellow
Red colour LEDs	: 5 mm size for prg/run mode, unit (hr, min, sec, msec), On, off, pause time status indication.
Mode of operation	
On duration units	: msec./sec./min. selectable thru front key common for all channel.
Off duration units	: Sec./min. selectable thru front key common for all channel.
Pause time (at end of each cycle) unit.	: Min./hr. selectable through front key.
Pause time duration	: settable by key.
Max. no. of channels	: 24
On duration	: Settable individually for each channel.
Off duration	: Settable individually for each channel.
Channel bypass	: Settable individually for each channel.

General Specifications

Accuracy	
(A) Sec. delays	: $\pm 0.5\%$ of range.
(B) Min. delays	: $\pm 0.5\%$ of range.
(C) Hr. delays	: $\pm 0.5\%$ of range.
No. of channel	: 1-24 nos. factory set.
Max. no. of operational channels	: Settable through front key.

Ranges

(A) On time duration	: 1-999 msec. or 1-999 sec. or 1-9 min.
(B) Off time duration	: 1-999 sec. or 1-99 min.
(C) Cycle time duration	: 1-999 min. or 0-9 hrs.
(Other ranges are available on request.)	

Installation

Power supply	: (A) 110 VAC $\pm 10\%$, 50Hz (B) 230 VAC $\pm 10\%$, 50Hz
Operating Ambient	
-Temperature	: 0-55 °C.
-Humidity	: 5-95 % RH.
Storage temp.	: 0 to 60°C.
Mounting	: Field Mounted.
Housing	: High impact ABS.
Terminals	: Suitable for conductors upto 1.5 mmsq. wire only.
Protection Class	: IP-55.
Cable entry	: 4/6 cable gland size 1/2".
Size	: 266(W)x186(L)x96(D)mm for Field.

Applications

- | | |
|---|--|
| <input type="checkbox"/> Hydraulic press sequence control | <input type="checkbox"/> Blending & storage silos in cement industries |
| <input type="checkbox"/> Dust collectors | <input type="checkbox"/> Tyre tube curing press |
| <input type="checkbox"/> Pot header in rubber | <input type="checkbox"/> Machine tool sequence |
| <input type="checkbox"/> Solenoid valves | <input type="checkbox"/> Vessel, reactors on / off operation |
| <input type="checkbox"/> Spinning industries | <input type="checkbox"/> For air blasters (cement plants) |
| <input type="checkbox"/> Coal bunkers | |

Specifications are subject to change without prior notice.

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