

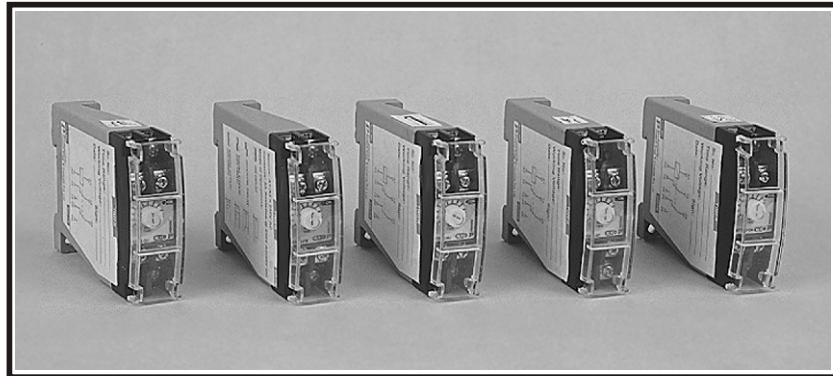
# TIME CONTROL

## G22-x TIMERS



**PROTIME**<sup>TM</sup>  
Pioneers in Creating Future

G22-FM  
G22-MU  
G22-M  
G22-QU  
G22-Q  
G22-SD  
G22-SOD



### Special Features

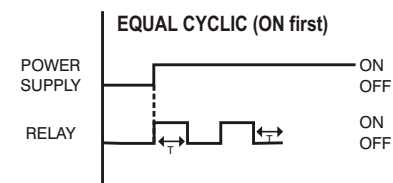
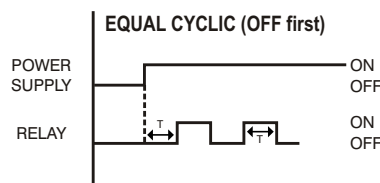
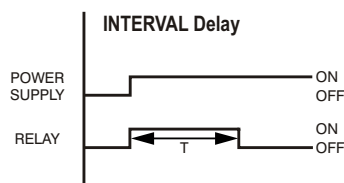
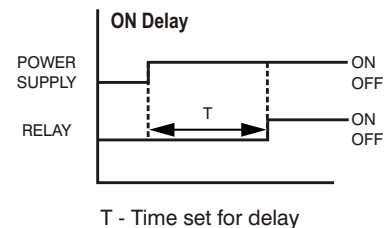
- 4 Only 22.5mm TIMER with Wireless interiors
- 4 Multi range & Multi mode type of timers
- 4 Designed to be mounted on DIN channel as well as wall mounting
- 4 Uses digital IC's to give accurate repeat cycles.
- 4 Most Simple setting arrangements
- 4 Calibrated dial with  $\pm 5\%$  Accuracy.

### Technical Data

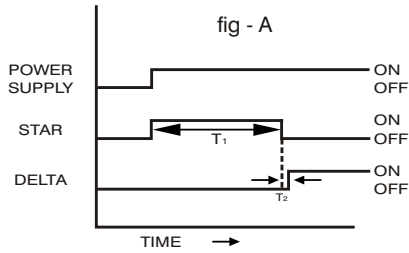
- 1) Output contacts - 2 change over contacts.
- 2) Switching duty - 6A Resistive at 240V AC or 24V DC
- 3) Electrical life -  $10^5$  operations at switching duty
- 4) Operating Voltage - 110V / 220V / 415V AC or 12/24V DC
- 5) Permissible Voltage -  $\pm 25\%$  max
- 6) Power Consumption - 10VA (max)
- 7) Reset Time - 100 ms max
- 8) Repeat Accuracy -  $\pm 0.5\%$  full scale
- 9) Setting Accuracy -  $\pm 5\%$  of full scale.
- 10) LED Indications - a) Power ON b) Relay ON
- 11) Mounting - Standard DIN mounting channel or Wall mounting
- 12) Dimensions - 22.5mm(W) x 100mm(H) x 75mm(D)

### OPERATIONS

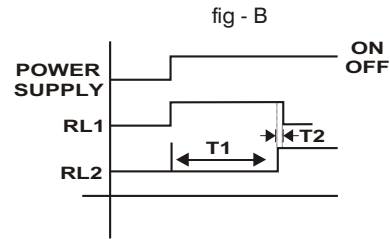
1. **G22 - FM (Four Mode timer)** :- The timer with Four most useful Modes of operations at the user's finger tips.  
ON Delay, INTERVAL Delay, Equal Cyclic (ON First), & Equal Cyclic (OFF First).



2. **G22 - Q** :- The timer with quad time range with ON or INTERVAL mode of operation. The timers are available in two types i.e. G22-QU (Universal Power supply) & G22-Q (Specified Power supply).
3. **G22 - M** :- The Multi Range timer with ON or INTERVAL modes of operations. The timers are available in two types i.e. G22-MU (Universal Power supply) & G22-M (Specified Power supply).
4. **G22 - SD (Star-Delta Timer)** :- The timer with multi time range for STAR ON time & also Star-to-Delta Changeover time. On applying operating voltage at supply terminals, the star relay energises instantly & after the completion of time delay set on dial the star relay de-energises. Delta relay energises after fixed pause time User settable (40ms or 100ms). It ensures smooth changeover. The Star ON time range is also user selectable 30sec. Or 60sec. (fig - A)



T<sub>1</sub> - Time delay set for Star ON time  
T<sub>2</sub> - 40ms / 100ms



T<sub>1</sub> - Time delay set for Start ON delay  
T<sub>2</sub> - 100ms(Fixed)

5. **G22 - SOD (Start -ON Delay Timer)** :- The Timer specially designed for Time Delay in various applications with starters, Where Timer remains in the circuit for Start delay time only. (fig - B)

### Modes of operations

- for FM

ON DELAY

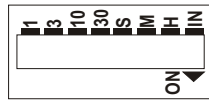
INTERVAL DELAY

EQUAL CYCLIC (OFF FIRST)

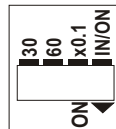
EQUAL CYCLIC (ON FIRST)



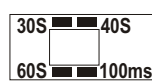
- for M



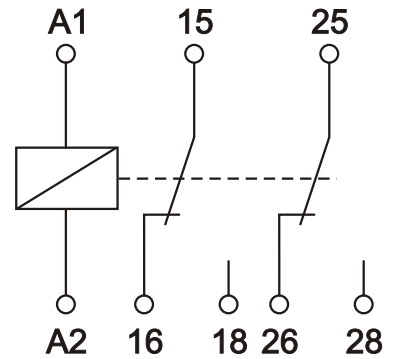
- for Q



- for SD



### Connection Details



### How To Order

Ordering Pattern (example)-

G22 - Q - U

### Supply

1-110V AC  
2-230V AC  
3-380V AC  
4-415V AC  
5-12 V DC  
6-24 V DC

U- 24 to 240V  
AC / DC

Timer with customer specified input supply can also be provided

### Time Range

FM / SOD

Secs. - 10-30-60-  
120-180-360 .

Min. - 10-30-60

M - 1/3/10/30 -  
Sec/Min/Hr.

Q - 3/6/30/60 -  
Sec-Min-Hr.

SD- 30/60 Secs.&  
40/ 100mSecs.

Note:- Design & specifications may change due to our continuous developmental efforts.

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