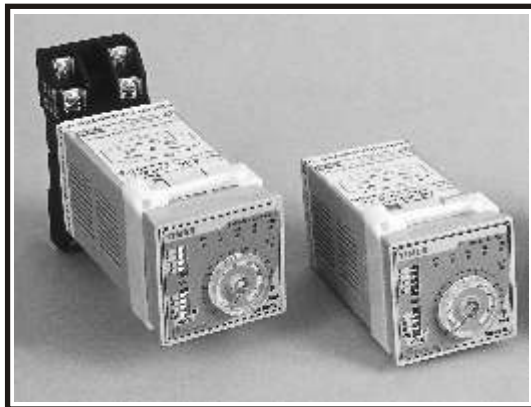


TIME CONTROL

G48-x TIMERS



PROTIMETM
Pioneers in Creating Future



G48-QU/TE G48-ACMU/TE
G48-MU/TE G48-ARF



Special Features

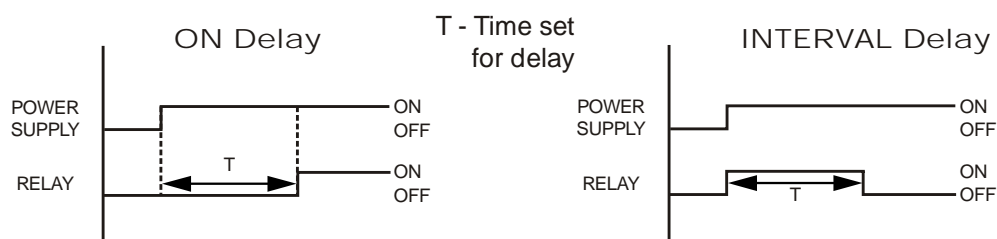
- 4 Only Analog Timer with Percentage Time Elapsed Indicator (PTEI)
- 4 Wireless interiors makes it highly rugged & error proof.
- 4 Universal Power Supply
- 4 Only Adjustable Reverse /Forward Timer with RUN & JOG Mode
- 4 Available with screw type terminals as well as plug-in types
- 4 Calibrated dial with $\pm 5\%$ Accuracy.
- 4 Only Adjustable Cyclic Timer with PTEI & User Selectable ON & OFF Sequence

Technical Data

- | | | |
|--------------------------------------|---|---|
| 1) Out put contacts | - | 2 c/o contacts.(2 separate contacts for ARF : Rev. & For.) |
| 2) Switching duty | - | 6A Resistive at 240V AC or 24V DC |
| 3) Electrical life | - | 10^5 operations at designed switching duty |
| 4) Operating Voltage | - | 110V/230V/415V AC or 24V AC/DC |
| 5) Voltage variation (Permissible)- | - | $\pm 25\%$ max |
| 6) Power Consumption | - | 10VA (max.) |
| 7) Reset Time | - | 100 ms |
| 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
* c) Percentage Time Elapsed Indication |
| 11) Mounting | - | Flush as well as Plug in |
| 12) Dimensions | - | 48mm(W) x48mm(H) x 100 mm(D). |

OPERATIONS

- 1) G48 -M (Multi Range) :-This is a Multi range timer with Percentage Time Elapsed Indicator. The timer has wide time range from 0.1 second to 30 Hrs. with ON & INTERVAL modes of operations. The timers are available in two types i.e. G48-MU (Universal Power supply) & G48-M (Specified Power supply).

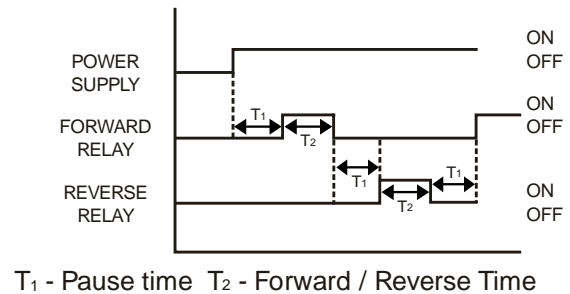


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- 2) **G48 - Q (Quad Range)** :- This is a Quad (Four) range timer with Percentage Time Elapsed Indicator. The timer has time range from 0.3 Sec. to 60 Sec. The timers are available in two types i.e. G48-QU (Universal Power supply) & G48-Q (Specified Power supply) with ON & INTERVAL modes of operations.
- 3) **G48 - ACM/TE (Adjustable Cyclic Multi range Timer with Percentage Time Elapsed Indicator)**: This is an Adjustable Cyclic Timer with Multi Time Range available with or without Universal supply, with Percentage Time Elapsed Indicator. The sequence of ON & OFF is also user selectable viz. Relay ON first & Relay OFF first.

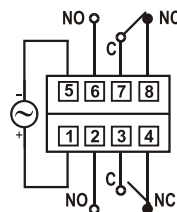
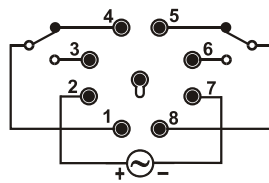


- 4) **G48 - ARF (Adjustable Reverse Forward Timer)** :- This is the only Adjustable Reverse/ Forward Timer with RUN & JOG Modes of operation & Multi range time settings. On applying operating voltage at supply terminals, the pause time starts & the timer remains in pause delay (no relay is ON during this time) till the pause time set on Dial. After pause delay, the forward relay energises & remains ON for the 'Forward / Reverse Time' set on the dial. After forward delay again pause time starts & then Reverse relay energises for the time delay same as forward (Forward / Reverse Time). This cycle goes on with same pause time & Forward / Reverse time continuously. The two relays are interlocked in such a way that both the relays can not be energised at the same time. The Timer also has JOG mode, which is useful for manual Reverse & Forward operation. The Push button for Reverse & Forward Operations are provided in the front of the timer.

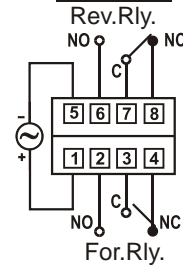


Connection Details

For M/Q/AC



For ARF



How To Order ?

Ordering Pattern (example)-

G48 - Q - 5

Model

M-Multi Range

Q-Quad (4) Range

ACM - Adjustable Cyclic Multi Range
ARF - Adjustable Reverse/ Forward Multi Range

Time Range

M- 1/3/10/30 - Sec./Min/Hr.
Q- 3/6/30/60- Sec.-Min.-Hr.

ACM- 3/30-Sec/Min/Hr
ARF- Rev/Forw.-1/2/4/8 Min
Pause- 10/20/40/80 Sec.

Aux. 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
User specified supply can also be provided

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

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