

Multirange timer with independent on and off times from 0.05 sec. to 60 hours each

- Timing ranges 0.05 sec to 60 hours
- 16 timing ranges, front panel selectable
- Indications for time range, output status and power on
- DPCO output relay
- Easy-set dual concentric knob
- Independent on/off time units
- 48-DIN
- Plug-in octal base
- Sockets available for panel, surface or rail mounting
- Approved by standards: UL and CSA

New Models



Ordering code

TA8-TA 24VAC/DC

TA8-TA 100-240VAC

Specifications

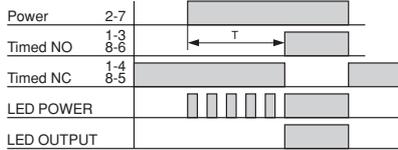
Timing ranges (selectable)

| Calibrated timing range | Controlled timing range | | | |
|-------------------------|-------------------------|-----------------|-----------------|-----------------|
| | Time unit: 0.1 sec. | Time unit: sec. | Time unit: min. | Time unit: hrs. |
| 0-6 | 0.05-0.6 sec. | 0.5-6 sec. | 0.5-6 min. | 0.5-6 hr. |
| 0-12 | 0.1-1.2 | 1-12 | 1-12 | 1-12 |
| 0-30 | 0.25-3 | 2.5-30 | 2.5-30 | 2.5-30 |
| 0-60 | 0.5-6 | 5-60 | 5-60 | 5-60 |

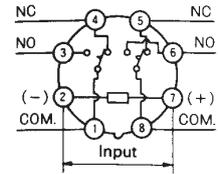
| | |
|-----------------------------------|--|
| Repeat accuracy | ±0.3% at max. setting time |
| Max. switching frequency | 1800 times/hour |
| Allowable ambient temperature | -10°C to +55°C (Avoid icing) |
| Mechanical life | 20 million operations or more |
| Electrical life | 100,000 operations or more at 250 V AC 5A resistive load |
| Allowable operating voltage range | 0.85 to 1.1 times input voltage (0.9 to 1.1 at 55°C) |
| Contact ratings | 5A at 250 V AC resistive load |
| Power consumption | 10VA at 240 V AC |
| Supply frequency | 50/60 Hz |
| Dielectric strength | 2,000 V AC rms. 1 min. between current carrying part and non current carrying part |
| | 2,000 V AC rms. 1 min. between output contacts and control circuit |
| | 1,000 V AC rms. 1 min. between open contacts |
| Insulation resistance | 100 MΩ or more at 500 V DC megger |
| Vibration | Mechanical durability: 10 to 55Hz, 0.75mm double amplitude |
| | Malfuction durability: 10 to 55Hz, 0.5mm double amplitude |
| Shock | Mechanical durability: 500m/S ² (Approx. 50G) |
| | Malfuction durability: 100m/S ² (Approx. 10G) |

Timing and wiring diagrams

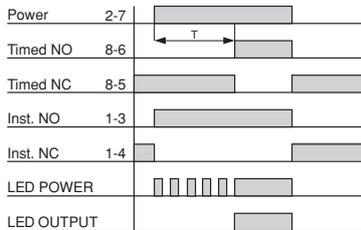
TA8-A



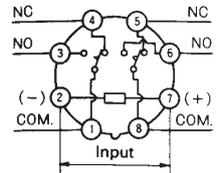
- When power is applied, the NO timed contacts make after the set time has elapsed.
- When power is removed the timer resets.



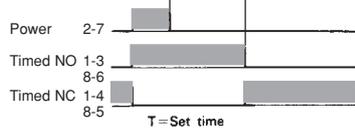
TA8-SA



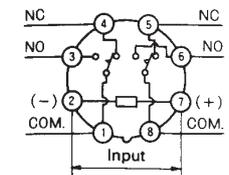
- Timed contact
When power is applied, the NO contact makes after the set time has elapsed. When power is removed, the timer resets.
- Instantaneous contact
When power is applied, the NO contact makes instantly. When power is removed, the timer resets.



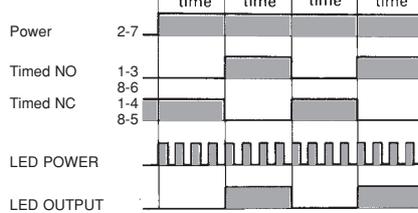
TA8-DA



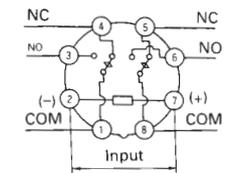
- When power (2-7) is ON, the NO timed contacts (1-3, 8-6) are instantly closed. When power is OFF, they are opened after the set time has elapsed.



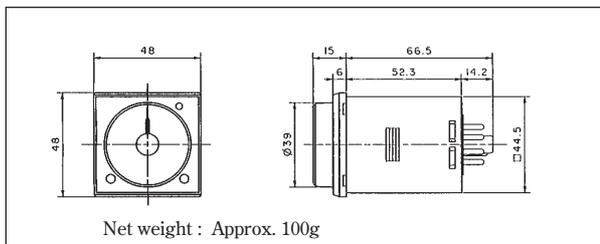
TA8-TA



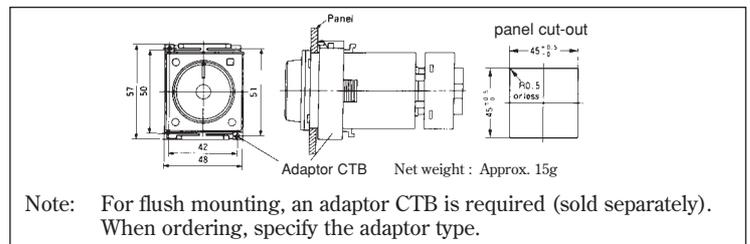
- When power (2-7) is ON, the NO (1-3, 8-6) and the NC (1-4, 8-5) timed contacts are alternately closed to repeat the ON-OFF operations.
- When power is OFF the timer resets.



Dimensions (mm)

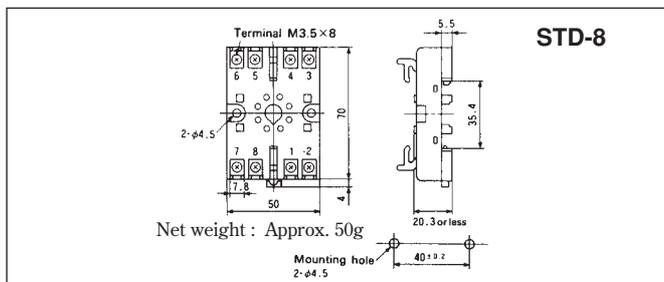


Flush mounting

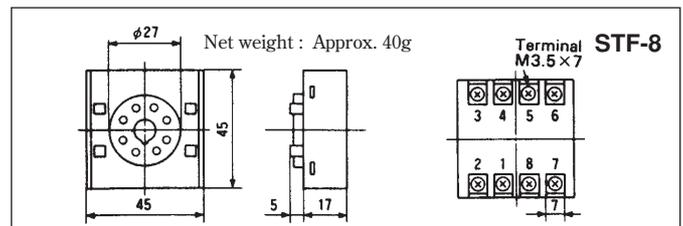


Sockets

Surface/track mounting – screw terminal



Flush mounting – screw terminal



Flush mounting – solder terminal

