

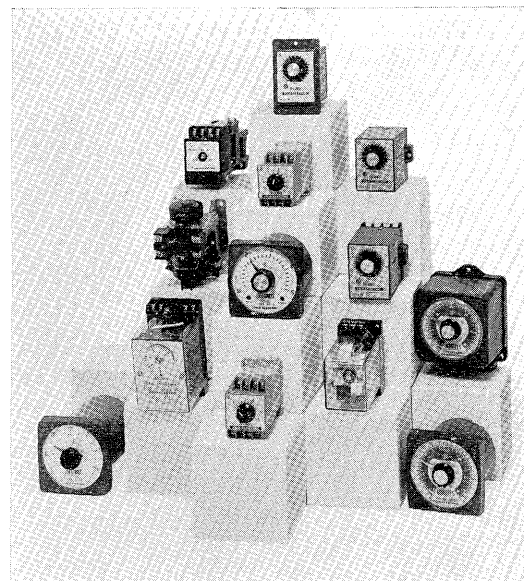
NEW FUJI GENERAL PURPOSE TIMER SERIES

Timers used as control elements in a wide range of facilities and equipment have become indispensable with the recent advances made in automation in all fields and timers which are compact and economical while, at the same time, highly reliable and easy to handle, are demanded.


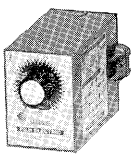
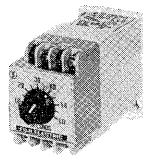
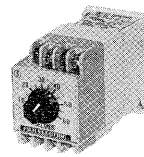
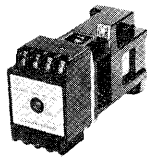
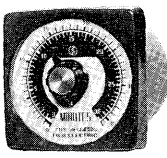

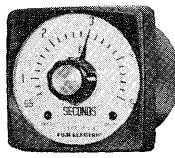
The general purpose timers introduced here were developed based on Fuji Electric's all new concepts in meeting all these demands. These new series consist of two motor timers (Types SM and SSP), a thyristor output all solid state timer (Type ES) and a pneumatic timer (Type NAT) which meet the demands of all fields from simple time control to complex precision program control.

Features

- (1) High performance
- (2) Compact size
- (3) Economical
- (4) Convenient installation
- (5) Maintenance free
- (6) Functional appearance



Specifications

| | | Motor timer | | Electronic timer | | Damping type timer |
|----------------------------|--------------|--|--|---|---|---|
| | | A | B | With electronic contact | With mechanical contact | |
| Installation | Surface type | Motor timer SM-A type  | Minimum size motor timer SSP type  | All solid state timer ES type  | Thyristor timer EMS type  | Pneumatic timer NAT type  |
| | Flush type | Motor timer SM type  | Minimum size motor timer SSP-E type  | All solid state timer ES-E type  | | |
| Operation | | on-delay | on-delay | on-delay | on-delay | on or off-delay |
| Output contact | | delay 1 c, inst 1 a | delay 1 c, inst 1 c | delay 1 a suitable | delay 2 c | delay 1 a, 1 b |
| Setting | | 10 sec~36 h | 10 sec~213 sec | 1 sec~60 sec | 1 sec~60 sec | 0.2 sec~60 sec |
| Input | | AC 100, 200 V | AC 100, 200 V | AC 100/200 V DC 24/48/100/200 V | AC 100, 200 V DC 24, 48, 100 V | AC 100, 200 V DC 24, 48, 100, 200 V |
| Repeating accuracy | | ±0.5% | ±1% | ±0.5% | ±1% | ±10% |
| Continuous contact current | | 5 A | 5 A | 0.25 A (10 sec: I ² t < 0.7) | 3 A | 15 A |
| Life | | mechanical 3×10 ⁶ times electrical 2×10 ⁶ times | mechanical 1×10 ⁶ times electrical 1×10 ⁶ times | Semi-permanent | mechanical 5×10 ⁶ times electrical 1×10 ⁶ times | mechanical 3×10 ⁶ times electrical 1×10 ⁶ times |
| Switching frequency | | 1,800 times/h | 1,800 times/h | 10,000 times/h | 1,800 times/h | 3,600 times/h |
| Ambient temp. range | | -10°~40°C | -10°~40°C | -10°~40°C | -10°~50°C | -10°~50°C |