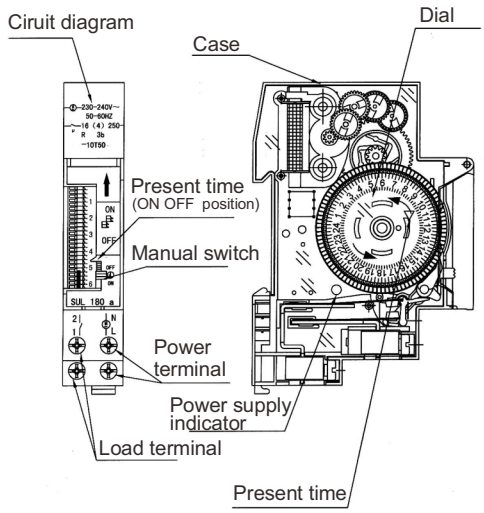
# EKTM-180A-230V

## 24Hours Timer 16A 230VAC usage manual

## Parts iden tification




## Specifications

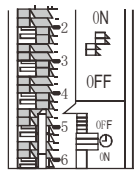
| | | | |
|---|---|---|---|
| Rated voltage | | | 110VAC / 240VAC |
| Voltage tolerancce | | | 100-120VAC / 220-260VAC |
| Frequency | | | 50/60Hz(common use) |
| Power consumption | | | 1W |
| Drive method | | | Quartz controlled stepping motor |
| Cycle | | | 24 hours |
| Time precision | | | ± 3Sec/day at 22°C |
| Load | Circuit | | Separate circuit(voltage is not applied to the load circuit) |
| | Switch construction | | SPST |
| | Manual ON/OFF | | ON/AUTO/OFF switch |
| | Capacity | Resistive load | 16A |
| | | Incandescent lamp | 10A |
| | | Inductive(cosϕ =0.7) | 12A |
| | | Motor(cosϕ =0.7) | 110V AC 750W, 220V AC 1500W |
| Setting | Present time setting | | Turn the dial till the index is in the current time |
| | ON/Off program setting | | 15 Minutes |
| | Minimum unit | | 15 Minutes |
| | Minimum interval | | 15 Minutes |
| | No.of ON/OFF operations | | 96 operations |
| Working reserve time | | | 72 hours |
| Ambient temperature | | | -10°C~+50°C |
| Ambient humidity | | | Max.85% |
| Weight | | | 85g |

## Operating Instructions

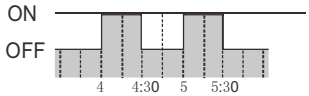
- Before turning power ON, check that your unit conforms to the operating voltage.
- When you buy this product, the inside battery for a long dis- charge itself, the power reserve will lower. When the inside battery completely discharge, even if connect and switch on the power source, the product still not working immediately. Then, please connect and switch on the power source, and wait about 10 minutea before set the product present time. The full power reserve is built up after about 3 days.

### 1. Set the operating time:

- Set the setting pin between the desired times to the left or right of the Dial
- Set the setting pin to the right of dial: ON-state is reached at that time. If the setting pin is set to the right continuously, ON-state continues only for No.of setting pins X 15 minutes.
- Set the setting pin to the right fully until a click is heard,
- If the setting pin is set to the left , at that time, the output is placed in OFF-state.




Set the setting pin as shown on the above:
the time chart is as follows:



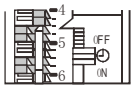

### 2. Adjust the present time:

Turn the dial till the index is on the current time

### 3. Set the manual switch:

Use this switch to select either turning ON or OFF in manual or ON/OFF in the operation program.

"AUTO" : Output is turned ON and OFF according to the set program.




**Manual** "**ON**":Output is turned ON irrespective of the program. (Permanent ON) Use this mode for test operation

**Manual** "**OFF**":Output id is turned OFF irrespective of the program. (Permanent OFF)

※ After completion of test operation, set the manual switch to"AUTO" .