Programming:

● If the LCD does not display, please return it to supplier .

A. Adjusting Clock

● Clock is set in factory, please send back to supplier when need to adjust clock.

B. Start to programing the TIMER

1) Press **P** key,LCD displayer shall show $_{On}1$ $--:--$

2) Press **D+** key to select any of 15-combination of Daily-Programs to your application demand.

The 15-combinations are: (MOnday~SUnday ,MOnday, TUesday, WEdnsday, THursday, FRiday, SAtaday, SUnday, MOnday~FRiday, MOnday~SAtaday, SAtaday~SUnday, MOnday&WEdnsday&FRiday, Tuesday&THursday&SAtaday, MOndat~WEdnsday, THursday~SAtaday, totally 15 options.

3) 1)Press **H+** key, **M+** key respectively to set desired Hour and Minute for $_{ON}1$

4) After finished setting of $_{ON}1$,press **P** key again, LCD displayer shows $1_{OFF}--:--$

5) Press **D+** key to select any of 15-combination of Daily-Programs to your application demand.

NOTICE: Day-combination chosen in each of ON/OFF program-period MUST be consistent

6) Press **H+** key, **M+** key respectively to set desired Hour and Minute for 1_{OFF},then finished first ON/OFF program period $_{ON}1$ and 1_{OFF}

7) Press **P** key,LCD displayer shall show $_{ON}2$ $--:--$

8) Repeat programming steps above to complete rest of ON/OFF program periods one by one. You can set all the 16 ON/OFF periods or just the desired number of ON/OFF(event)

Notice: ▪ **Press "C/R " key to Clear /Recall the program during programming. (" –:– " means program cleared, not "00:00")**

▪ **ON and OFF composite a group, if an "ON" is set, then the coresponding "OFF" must be set.**

C. Review programs

Press **P** key repeatly ,LCD displayer will show the periods one by one.

D. Operate the switch manually

Press "MANUAL " key to shift the status of the switch to "ON", "Auto ", "Off" anually.

Note: When you turn the "On " button, the timer will not come on during the Eskom blocked times.

Certifications:

● IEC 60730-2-7   ● RoHS

Cautions:

● **For using in mini DB,the constant load designed to ≤70% of rated value, i.e. Resistance load ≤20A, Lagging load ≤12A.**

● **The connection and installation of electrical devices may only be carried out by a qualified electrician.**

● **DO NOT immerse Timer Switch in water or any other liquid.**

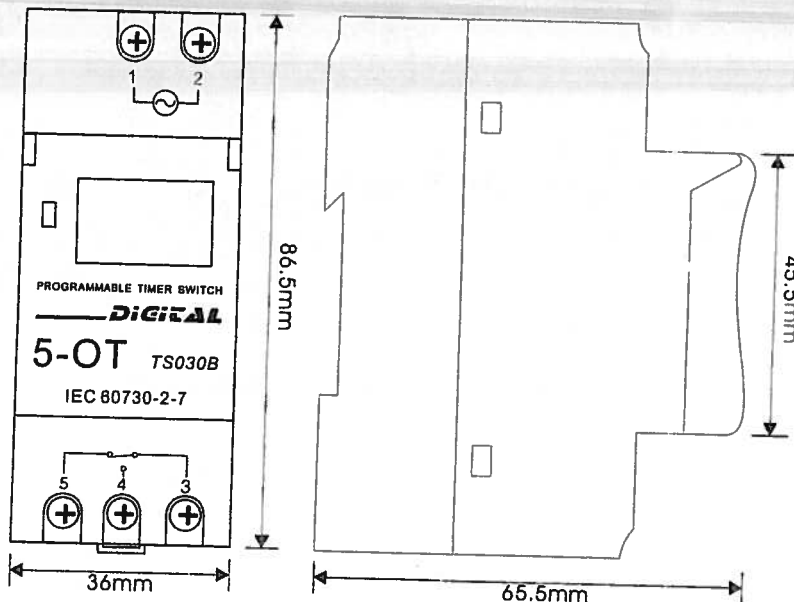## 5-OT TS030B PROGRAMMABLE TIMER SWITCH Specification

5-OT TS030B Programmable Timer Switch is a MCU-based weekly programmable general usage timer switch. It has been adapted for South African market for its energy savings initiatives. It's suitable for using on the control of geysers, lighting, heaters, motors, pumps, fans, HVAC, etc.
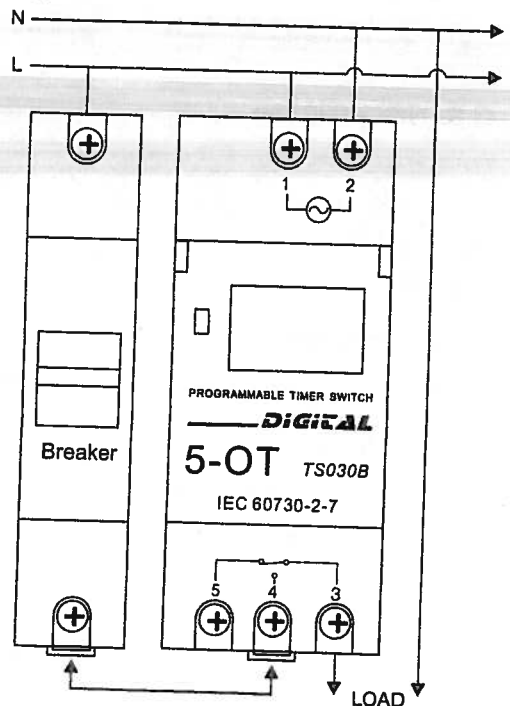
Parameters:

- Voltage rating: AC 220V
- Power consumption: ≤7.5VA
- Minimum interval between each on/off should be 1 minute
- Blocked times: From 6AM to 8AM and 6PM to 8PM.(Plus random delay of 0~30minutes)
- Battery Back Up in case of power outage is a minimum of 200 hours. Actually keeps set times for 20 000 hours.
- Battery Life Span Power reserve: 3 years
- Timing drift:≤ 5 minutes per year

- Voltage limitation: AC 220V±15%
- Display: LCD
- Switching contact:1 changeover switch
- Random switch on within 30 minutes of blocked times.

- Service life:
  - Mechanically : 10^7
  - Electrically : 50,000 times

- Works on DIN Rail. Adapter plate included for MiNI Rail mounting
- Ambient temperature:-20~+55

- Weight: approx.150g
- Frequency Range: 50Hz~60Hz
- Ambient humidity: 35~85%RH

- Easy to program other times outside blocked times

- Load capacity:
  - resistive load: 30A/250VAC
  - Lagging load: 16A/250VAC

- External housing box *(optional)*

- Warranty: 3 Years

Dimensions:

- L*W*H: 86.5mm*36mm*65.5mm

Typical connection: