## 5. Summer / Winter Setting

1. Press the Y button, then use the + or - buttons to scroll through to "summer" (flashing).
2. Press the Y button again to access the summer time setting.
3. Press the + or - button to change between summer on or off.
4. Press Y to confirm summer setting, time will advance 1 hour.
5. A "SUMMER" icon will appear in the display.
6. Use the same procedure to remove the "SUMMER" icon when reverting to GMT in the winter.
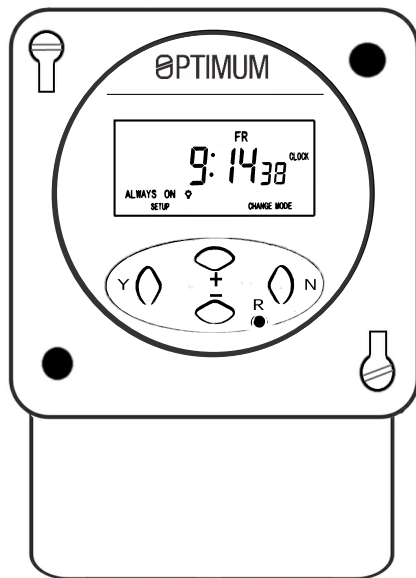
6. Specification

Voltage: 220-240V AC 50-60Hz

Temperature rating T45

Switch type: changeover

Rating:

16A resistive / 4A inductive

Not suitable for direct switching of lighting types: HID, SON, LED—use a contactor

Class II control / Protection class IP20

Complies with European Norm
EN 60730-1: 2011
Automatic Electrical Controls for
Household and similar use,
and European Directives:
LVD; EMC; RoHS

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⊖PTIMUM Digital Time Switch

For general purpose use
User instructions

OP-TS371.1 24 Hour / 7 Day Digital
Min switching 1 Minute

1. Setting the timer
2. Setting a program
3. Checking the program
4. Manual Override
5. Summer / Winter Setting
6. Specification

1. Setting the timer

1. Press the R button to reset the timer to its default settings, activate using a pencil or similar pointed instrument. (pressing R will delete all stored programs)
2. Press Y to enter function setup. (Note: if another button is not pressed within 10 seconds the display will revert to the normal screen).
3. Use the + or - button to scroll to the clock icon (flashing) and press Y to enter the current time setting mode (hours flashing).
4. If you keep the + or - buttons pressed for more than 3 seconds, the display will enter fast scroll mode.
5. Use the + or - button to adjust the hours and press Y to confirm, minutes will flash.
6. Use the + or - button to adjust the minutes and press Y to confirm, day will flash.
7. Use the + or - button to adjust the day and press N to exit.

2. Setting a program

1. There are 24 ON/OFF programs available.
2. Press the Y button twice to enter the programming setting mode.(Note: if another button is not pressed within 10 seconds the display will revert to the normal screen).
3. Default is program 01 ON, this can be changed if required by pressing + or - button to scroll through the 24 ON/OFF programs as required, pressing the Y button will confirm the program.
4. Press the Y button to confirm program 01 ON, hours will flash.
5. Use the + or - button to adjust the hours and press Y to confirm, minutes will flash.
6. Use the + or - button to adjust the minutes and press Y to confirm, days will flash.
7. Apart from individual days of the week, The following day combinations of multiple day blocks can be selected by pressing the + or - buttons.

- Monday to Sunday
- Monday to Friday
- Saturday to Sunday
- Monday to Saturday
- Monday + Wednesday + Friday
- Tuesday + Thursday + Saturday
- Monday + Tuesday + Wednesday
- Thursday + Friday + Saturday

8. Select day or day block as required and press the Y button to confirm.
9. Press the + button, this will select the program 01 OFF, press Y to confirm.
10. Follow 4 to 7 above to set the 01 OFF program (day or day block must be the same as program ON).
11. If no more programs are required, press the N button to exit.
12. If more programs are required follow 3.
13. To cancel a program once set, press and hold the N button for more than 3 seconds when the desired program number is flashing i.e. to cancel program 01 ON, press the Y button twice and hold the N button down for more than 3 seconds to delete. Pressing the + button again will select 01 OFF.
14. Repeat 13 to delete 01 OFF. This procedure can be repeated to delete any of the 24 programs.

3. Check Program Settings

1. Press Y button twice to enter program mode.
2. Press the + or - buttons to scroll through the 24 ON/OFF programs to check settings.
3. Press the N button to exit and revert to clock mode.

4. Manual Override

When in normal clock mode, pressing the **N** button will scroll through the following switching options.

- ☼ **ALWAYS ON** - timer is permanently "ON"
- ☼ **PROG** - timer is in program mode "ON"
- ☾ **PROG** - timer is in program mode "OFF"
- ☾ **ALWAYS OFF** - timer is permanently "OFF"

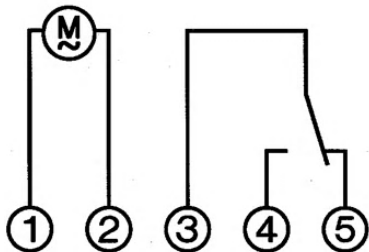**3, Wiring for volt-free operation:**

To configure the timer for volt-free applications, ensure there is **NO** link connected between terminals 2 & 3. Connect mains to terminals 1 & 2 (not polarity conscious).

Switching will occur across terminals 3, 4 & 5.

Common - terminal 3

Normally open (ON) - terminal 4

Normally closed (OFF) - terminal 5

4. Specification

Voltage: 220-240V AC 50-60Hz

Temperature rating T45

Switch type: changeover

Rating:

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OPTIMUM Digital Time Switch

For general purpose use
Installation instructions

OP-TS371.1 24 Hour / 7 Day Digital
Min switching 1 Minute

1, Installation guide

Undo the recessed cross-head screws '**a**' (see below). Lift off the timer module. Grip the square base of the timer and pull the timer away from the backplate.

Drill the wall to suit the three backplate mounting holes **b, c, & d.** Do not mount the timer on an un-earthed metal or metallised surface. Secure to wall surface using suitable wall plugs & screws.
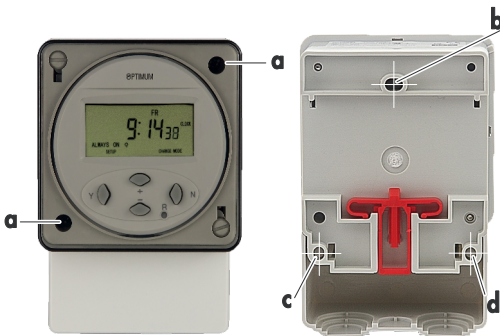
Undo the recessed cross-head screws. Grip the square timer housing and pull the timer away from the base.

If required the square timer can be panel-mounted by use of the plastic lugs top left / bottom right (push and turn with flat-bladed screwdriver to secure to panel).

If surface mounting, drill the wall to suit the three backplate mounting holes. Secure to wall surface using suitable wall plugs & screws.

If din-rail mounting, hook the backplate to the din-rail and push into place until the red clip clicks behind the lower edge of the rail.

Connect wiring according to the wiring diagram. Live & Neutral to terminals 1 & 2 (the device is not polarity conscious).

Terminals 3, 4 & 5 are the volt-free switch

3 = common, 4 = normally open,

5 = normally closed.

2, For mains (220V - 240V) switching:

- Connect supply live to 3 & fit a short link wire between terminals 3 and 2.

- Connect incoming and outgoing neutrals to terminal 1.

- Connect the load switched live (output), to terminal 4.

- Do not connect any conductors to 5.

  If there is an earth continuity conductor, make separate provision to connect incoming / outgoing earth wires. The timer is double-insulated.

Fit the terminal cover to the backplate, push the square timer onto the base. Tighten the cross-head screws. Fit the dust cover.