

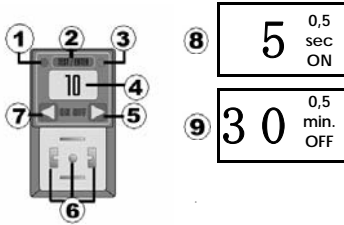
## INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS MANUAL FOR DIGITAL TIMER DT3000

### GENERAL DESCRIPTION

The operation of DT3000 digital electronic timer is based on two timers, T1/T2, which allow to operate in five different ways, each according to the time ranges indicated.

### ELECTRICAL FEATURES

Supply Voltage	~ $\text{V}_{\text{rms}}$ - CE coverage 120 ... 240V AC/DC - 50/60Hz
Current Consumption	4 mA. Max
Operating Temperature	from -10 to + 50 °C
Environmental Protection	IP 65 - EN60529 (with connector and gaskets)
Switch Holding Voltage	400V Max.
Switch Capacity	1 A
Inrush Current	10 A for 10mSec.
Duty Cycle	100% ED
Switch Life	$3 \cdot 10^6$
Repeat Accuracy	$\pm 0.01\%$
Temperature Coefficient	$\pm 0.0001\% / ^\circ\text{C}$
Operation Modes	5
ON Time	0...9.5 s Step 0.5 s or 10...99 s Step 1.0 s
OFF Time	0...9.5 min - step 0.5 min or 10...99 min - step 1.0 min



### BASIC FUNCTIONS

- |                           |                           |
|---------------------------|---------------------------|
| ① ON Function Led (Red)   | ⑥ Electrical Connection   |
| ② Test/Enter Button       | ⑦ T1 Timer Setting Button |
| ③ OFF Function Led        | ⑧ ON Time Display         |
| ④ LCD Display             | ⑨ OFF Time Display        |
| ⑤ T2 Timer Setting Button |                           |

### SETTING OF OPERATION MODES

The following instructions are to be followed in order to set the five different operation modes of DT3000 timer:

- 1) Disconnect DT3000 timer from the electrical supply.
- 2) Push ON ② and OFF ③ buttons at the same time and supply DT3000 timer with power.
- 3) Press ON ② and OFF ③ buttons for about five seconds, until the display starts blinking ⑧.
- 4) Release ON ② and OFF ③ buttons.
- 5) Use ON ② and OFF ③ buttons to modify the timing operation (ON increases/OFF decreases the Timing Operation).
- 6) Press the Test/Enter Button ④ to store the selected method.

**Note: 1)** If the Test/Enter Button ④ is not pressed within a minute, DT3000 timer re-sets on the previously selected method

### ON/OFF TIME SETTING/ADJUSTMENT

#### ON Time Adjustment (T1 Timer)

With DT3000 timer under supply:

- 1) Press the ON ② button for 3 seconds. When the display starts blinking (8), the time can be adjusted.
- 2) With the ON ② button it is possible to increase the time with 0,5-second steps up to 9,5 seconds
- 3) With the OFF ③ button it is possible to decrease the time with 1-second steps up to at least 99 seconds
- 4) Press the Test/Enter Button ④ to store the time set

#### OFF Time Adjustment (T2 Timer)

With DT3000 timer under supply:

- 1) Press the OFF ③ button for 3 seconds. When the display starts blinking (9), the time can be adjusted.
- 2) With the OFF ③ button it is possible to increase the time with 0,5-minute steps up to 9,5 minutes.
- 3) With the ON ② button it is possible to decrease the time with 1-minute steps up to at least 0,5 minutes.
- 4) Press the Test/Enter Button ④ to store the time set.

#### Notes:

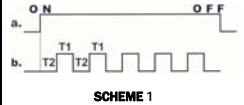
- 1) If the Test/Enter Button ④ is not pressed within a minute, DT3000 timer automatically exits the "Time Setting" function and automatically stores the new set time.
- 2) If the supply power of DT3000 timer fails during the "Setting T1 Timer" function, the time set on the display when the power fails is automatically stored.

### DESCRIPTION OF OPERATION MODES

#### 1) ON/OFF Delayed Continuous Cycle (pre-installed)

By supplying DT3000 timer (a) with power, the outlet (b) positions on OFF for the T2 time set and then on ON for the T1 time set.

This ON/OFF cyclic condition is repeated until the supply power is disconnected (see scheme 1).

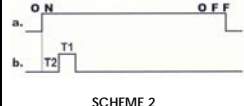


SCHEME 1

#### 2) ON/OFF Delayed Single Cycle

By supplying DT3000 timer (a) with power, the outlet (b) positions on OFF for the T2 time set and then on ON for the T1 time set.

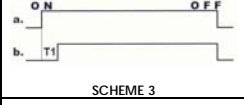
The ON/OFF condition is performed only once even though the supply voltage remains (see scheme 2).



SCHEME 2

#### 3) ON Delayed Single Cycle

By supplying DT3000 timer (a) with power, the outlet (b) positions on OFF for the T1 time set and then on ON until the supply power is disconnected (see scheme 3).

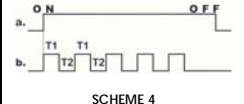


SCHEME 3

#### 4) ON/OFF Not-delayed Continuous Cycle

By supplying DT3000 timer (a) with power, the outlet (b) positions on ON for the T1 time set and then on OFF for the T2 time set.

This ON/OFF cyclic condition is repeated until the supply power is disconnected (see scheme 4).



SCHEME 4

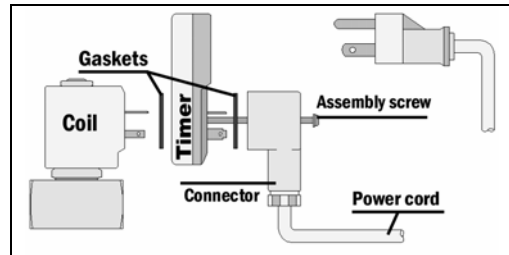
#### 5) ON/OFF Not-delayed Single Cycle

By supplying DT3000 timer (a) with power, the outlet (b) positions on ON for the T1 time set.

The ON/OFF condition is performed only once even though the supply voltage remains (see scheme 5).



SCHEME 5



ALL DT3000 TIMERS ARE SUPPLIED WITH 2 GASKETS AND 1 FIXING SCREW.