

# LightBoy Timer

## Digital Timer with Random- and Countdown Function

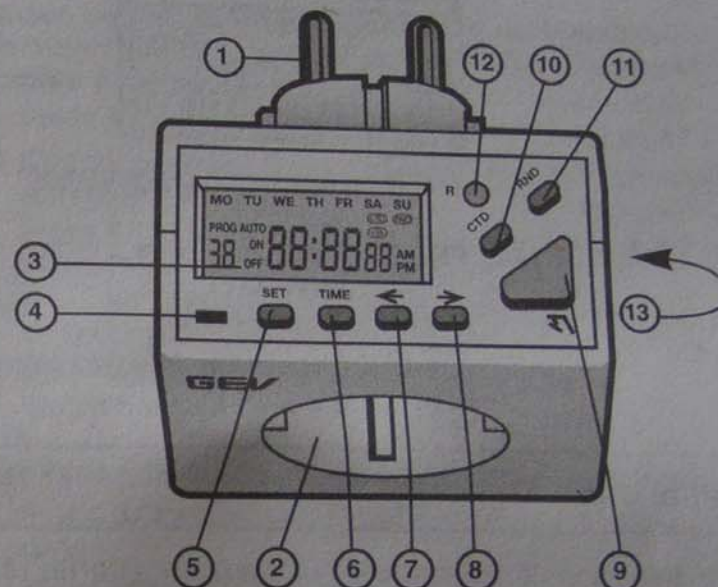
Art.-No.: 006232B



### Timer Features

- 40 Programs selectable 20 x on / 20 x off
- 24 hour / 7 days program / Block building
- Program on the minute
- Display (LCD)
- Replaceable battery for clock and program backup
- LED status display
- Random function
- 24h countdown, free selectable down to the second
- Summer time / Winter time switch

### 1. Technical Features



1. Plug
2. Socket with shutter
3. Display (LCD)
4. LED status indicator (on if Socket (2) is activated)
5. Set (Enter) button (**SET**)
6. 24h and 12h toggle / Exit programming mode (**TIME**)
7. Adjust down and in addition enter countdown program mode (**<**)
8. Adjust up and in addition enter program on/off switching mode (**>**)
9. Manual on/off and Auto on/off (**RND**)
10. Start / stop programmed countdown (**CTD**)
11. On / off random function (**RND**)
12. Reset Button and display test (**R**)
13. Battery compartment, see section ③



## 2. Explanation of Display (LCD)

MO = Monday  
 TU = Tuesday  
 WE = Wednesday  
 TH = Thursday  
 FR = Friday  
 SA = Saturday  
 SU = Sunday

ON = On  
 OFF = Off



**AUTO** = Timer is in programmed modus

**PROG** = Timer is in programming modus

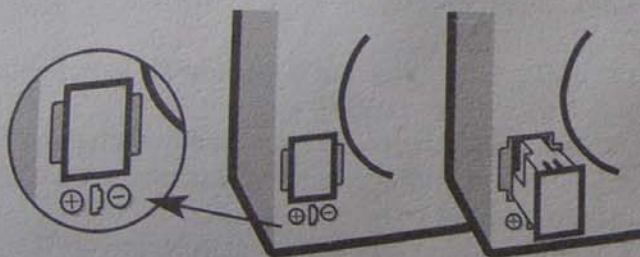
**+ 1h** = Summer time

**CDT** = Countdown function active

**RND** = Random function active

## 3. Initial Use

a) Insert battery: Pull out battery compartment (13) on rear side. Insert enclosed battery. Take care of correct polarity.



b) Reset Timer: Press reset button (12) with a ballpoint pen or similar object. Display (3) test shows all symbols for ~5 sec. Complete data will be deleted and the timer is in precondition for time set / program set.

c) LC display shows **0:00:00 MO / Auto / OFF**

## 4. Clock setting

**Please note: If during programming no button is pressed for more than 10 seconds the timer will return back to time display. Entered data will be saved**

- Press **SET (5)** for more than 5 seconds
- Current weekday starts blinking. Select correct weekday with button **➡ (8)** or **⬅ (7)**.
- Press **SET (5)** again. Current hour starts blinking. Select correct hour with button **➡ (8)** or **⬅ (7)**.
- Press **SET (5)** again. Current minute starts blinking. Select correct minute with button **➡ (8)** or **⬅ (7)**.
- Press **SET (5)** again to exit program modus.

e.g.

**Set Time / Date after reset to: Tuesday 13:26 hours**

- Press **SET (5)** for more than 5 seconds/ weekday starts blinking
- Press **➡ (8)** 1 x / Display = TU
- Press **SET (5)** 1 x / hour starts blinking
- Press **➡ (8)** 13 x / Display = 13:00
- Press **SET (5)** 1 x / minutes starts blinking
- Press **➡ (8)** 26 x / Display = 13:26
- Press **SET (5)** 1 x to exit time/date set

**12h / 24 h**

Press **TIME (6)** for more than 3 seconds in order to toggle between 24 / 12 hour display. Default is 24 hour display

**Summer / Winter time**

Press and hold **TIME (6)** and press 2 x **⬅ (7)**. Display **+1h** (summer time) is active / time changes to plus 1 hour. To change back to winter time, press and hold **TIME (6)** and press 2 x **⬅ (7)**. Display **+1h** disappears time changes to minus 1 hour



## 5. Programming the Timer

**Please note: If during programming no button is pressed for more than 10 seconds the timer will return back to time display. Entered data will be saved**

Access program switching mode by pressing ➔ (8). Display shows all weekdays Symbol "PROG", and "1 ON" is blinking. Programming can start.

With further pressing ➔ (8) or ⬅ (7) each single program can be entered for programming or for verification. Display will show (1 ON, 1 OFF, 2 ON, 2 OFF, etc). ON to switch power on / OFF to switch power off.

**Hint:** Programming is easier if program settings are written down in advance. Weekday and time setting is identical to Clock setting in chapter 4

- a) Press **SET (5)** to access weekdays. With ➔ (8) or ⬅ (7) single weekdays or combined weekdays can be selected. Following combination are possible:

**MO to SU** single, **MO to FR, SA and SU, MO to SA, MO/WE/FR, TU/TH/SA, MO/TU/WE, TH/FR/SA, MO to SU**

- b) Press **SET (5)** to access Hours  
c) Press **SET (5)** to access Minutes  
d) Press **SET (5)** to access program selector select next program and proceed with step a) to c) or press **TIME (6)** to exit program mode

### e.g. for timer setting

On time from MO to SA at 12:30

- Press ➔ (8) 1 x display 1 ON is blinking
- Press **SET (5)** 1 x / weekday starts blinking
- Press ➔ (8) so long until MO/TU/WE/TH/FR/SA is displayed

- Press **SET (5)** 1 x / display hours is blinking
- Press ➔ (8) so long until 12:00 is display
- Press **SET (5)** 1 x / minutes starts blinking
- Press ➔ (8) so long until 12:30 is displayed
- Press **SET (5)** 1 x / display program 1on is blinking
- Press ➔ (8) 1 x/ display program 1off is blinking

For off time repeat all steps with desired time.

**Please note: Equal time setting in ON and OFF programs neutralise them self.**

## 6. Delete / Deactivating single program

A program can be overwritten (see chapter 5), or be set inactive. Press ⌫ (9) during programming mode time setting is replaced by --:--, program is deactivated.

Deactivated programs can be set back active. Select deactivated program and press ⌫ (9) during programming mode. Display will change back to programmed time settings, program is activated.

## 7. Countdown timer

The countdown timer can be set to the second. Max time is 24 hours. During the countdown the **Socket (2)** is activated.

Press ⬅ (7) to enter countdown programming mode. **PROG** and **CTD** is shown in Display (3), symbol **ON** is blinking.

Press **SET (5)** 1 x to enter hours

2 x to enter minutes

3 x to enter seconds



To start the countdown press **CTD (10)**. The countdown starts counting backwards until 00:00:00 is reached and the **Socket (2)** gets deactivated.

Press **TIME (6)** to display current time during countdown. Display (2) will change back to countdown time after 2 seconds.

Countdown can be interrupted / resumed by pressing **CTD (10)**. To stop the countdown completely, first press **CTD (10)** to interrupt and then press **TIME (6)**

During countdown all switch programs are on hold. They will resume after the countdown has finished with the next reached ON time.

## 8. Random function

Press **RND (11)** to activate / deactivate the random function. When activated **(RND)** is shown in display (3).

The random function activates / deactivates the programmed switching times with a variance of 2 to 32 minutes before or after the set timings.

e.g.

ON time is 13:25 every day. With **RND** activated the ON time can be between 12:53 and 13:57. The switch time is randomly and will change inside that range.

**Please note: For Random function the programmed gap from on to off must be larger than 32 minutes**

## 9. Manual ON/OFF and Auto ON/OFF

Press **↕ (9)** in order to switch the power manual ON / OFF or automatic ON / OFF. Toggle switch to activate one of the 4 function.

**AUTO OFF** = **Socket (2)** is deactivated until next programmed ON time is reached

**ON** = **Socket (2)** is permanent activated. Programs will be ignored

**AUTO ON** = **Socket (2)** is activated until next programmed OFF time is reached

**OFF** = **Socket (2)** is permanent deactivated. Programs will be ignored

Random function is only active in **AUTO ON** or **AUTO OFF**.

## 10. Connecting Timer

After the timer has been programmed plug it into the mains and plug the appliance (electrical appliance or light) into the timer. In case an appliance has its own switch, make sure that it is switched on. **Status display (4)** is on if **Socket (2)** is activated.

**Please Note: Do not exceed maximum load!**

