

# LEDsmart<sup>+</sup>

Push Button Hour Timer

Programmable between ¼ hour and 7½ hours with built in multi-way control



## Timer Setup

The LEDsmart<sup>+</sup> push button timer has a number of useful functions which can easily be set up by entering setup mode and following the four easy steps.

**The TIMEOUT PERIOD should always be set up. The other settings are optional, depending on the application. To set the timeout period now, go to the next page.**

## Timer Setup Functions

Function	See Part
Setting the <b>Timeout period</b>	A
Setting <b>Maximum Brightness</b>	B
Setting <b>Advanced Timer Features</b>	C
Setting <b>Off State LED Feature</b>	D
<b>Converting from hour to minute timer</b>	E
Setting <b>MultiMate™ Mode</b>	F
Factory Defaults <b>Reset</b>	G

### A: Entering Setup Mode

If the timer has been powered up for **LESS THAN 15 MINUTES** see **A1**.

If the timer has been powered up for **MORE THAN 15 MINUTES** see **A2**.



Once in Setup Mode, options are selected by a series of 'clicks' of the push button. Each 'click' should be within 1 second of the previous click.

**A1: Timer has been powered up via mains 240Vac for LESS THAN 15 MINUTES**

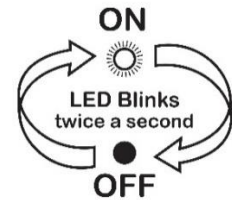
Step 1 Press and hold the button for 10 seconds  
 Note: Connected lights will dim up or down, this is normal

**Press & Hold!**



Step 2 The white LED Indicators will blink ON/OFF twice per second. This indicates that the timer is now in Setup Mode

Note: If more than one LEDsmart<sup>+</sup> hour timer is connected in parallel, all these timers will now enter setup mode. The blink ON/OFF will also be seen on all other LEDsmart<sup>+</sup> hour timers connected in parallel



In the unlikely event that other LEDsmart+ devices connected in parallel do not enter setup, exit and try again.

Step 3 The timer is ready for the settings to be adjusted as required. Go to the relevant setup function instructions



**A2: Timer has been powered up via mains 240Vac for MORE THAN 15 MINUTES**

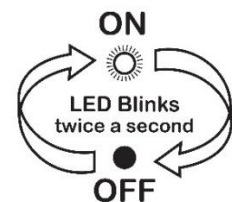
Step 1 Press and hold the button for 30 seconds  
 Note: This resets the Setup Entry time back to 10 seconds (for the next 30 minutes)  
 Note: Connected lights will dim up or down, this is normal

**Press & Hold!**



Step 2 The white LED Indicators will blink ON/OFF twice per second. This indicates that the timer is now in Setup Mode

Note: If more than one LEDsmart<sup>+</sup> hour timer is connected in parallel, all these timers will now enter setup mode. The blink ON/OFF will also be seen on all other LEDsmart<sup>+</sup> hour timers connected in parallel



In the unlikely event that other LEDsmart+ devices connected in parallel do not enter setup, exit and try again.

Step 3 The timer is ready for the settings to be adjusted as required. Go to the relevant setup function instructions



**B: Setting the Timeout Interval**

The hour timer allows a timeout duration of ¼ hour to 7½ hours in increments of ¼ hour.

Out of the box (factory defaults), the time out interval is set to ½ hour.

To change the time out interval from the default ½ hour, follow the steps below.

Step 1 Enter into the timer **Setup Mode - See PART A**

**Setup Mode!**

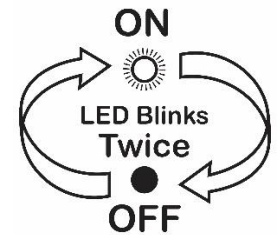


Step 2 Click the push button **2 times**



Step 3 The LED Indicator will **blink 2 times**

Note: To cancel/exit do nothing for 30 seconds



Step 4 To set the time out interval, push and hold the button and count the number of blinks. **Each blink of the indicator adds ¼ hour to the timer**

**Adjust!**



Step 5 When the number of blinks counted is equivalent the total timeout period required, release the button

The time out interval is saved and setup will exit automatically

**Release!**



Note

- During normal use the indicator will blink when the timer is turned on to indicate it is in time out mode
- Trying to select a time interval of 0 will result in setting ½ hour timeout
- The timeout period on Hour Timers connected in parallel need to be set individually. The same timeout is not automatically set across units

### C: Setting Maximum Brightness

The maximum brightness level provided by the timer can be set to suit customer requirements.

Note that when lamps are near to full brightness, it is difficult to see changes in dimming level. Therefore, when setting up maximum brightness, it is recommended that the lamp is slowly dimmed up to a point where no further changes in brightness can be seen, and the maximum level set at this point.

Step 1 Enter into the timer **Setup Mode - See PART A**

**Setup Mode!**



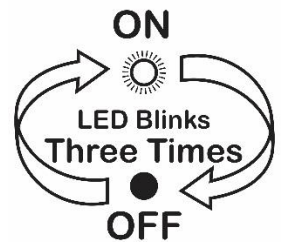
Step 2 Click the push button **3 times**



Step 3 The LED Indicator will **blink 3 times**

Note: To cancel/exit do nothing for 30 seconds

Note: If more than one dimmer is connected to the same load, all dimmers connected to this load will now blink 3 times



Step 4 Push the button to achieve the required maximum brightness level

Note: To cancel/exit do nothing for 30 seconds

**Adjust!**



Step 5 Click once to save & exit

Note: If more than one LEDsmart<sup>+</sup> device is connected in parallel, the minimum brightness levels **only needs to be set in one device**. The setting is automatically saved to all other devices connected in parallel



In the unlikely event that other LEDsmart<sup>+</sup> devices connected in parallel do not enter setup, exit and try again.

**D: Setting Advanced Timer Mode**

The advanced timer mode provides an optional advanced warning to the user that the lights will shortly turn off automatically.

When the advance timer is enabled, at time out the lights are dimmed to 50% over a 4 second period and are held at this 50% level for 5 minutes. After this 5 minutes, the lights are turned off automatically.

Step 1 Enter into the timer **Setup Mode - See PART A**

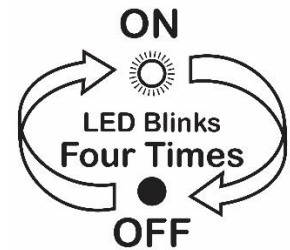
**Setup Mode!**



Step 2 Click the push button **4 times**

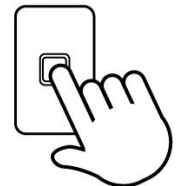


Step 3 The LED Indicator will **blink 4 times**  
 Note: To cancel/exit do nothing for 30 seconds



Step 4 To enable the advanced timer mode  
 Push and hold the button until the lamps(s) turn ON  
  
 To disable the advanced timer mode  
 Push and hold the button until the lamps(s) turn OFF (default)  
  
 Note: To cancel/exit do nothing for 30 seconds

**Adjust!**



Step 5 Click once to save & exit

- Note that during this 5 minute warning period:-
- The LED indicators will blink at a faster rate
  - A tap of the push button will restore the load to 100% ON and the timer will restart
  - A long press of the push button will turn the load OFF.



**E: Setting Off State Indication**

When the timer is switched off, the white LED indicators in the timer can be set to glow or turn off.

By Default, the white LED indicators are set to glow when the timer is turned off.

To set the LED indicators to turn off when the timer is off, follow the steps below.

Step 1 Enter into the timer **Setup Mode - See PART A**

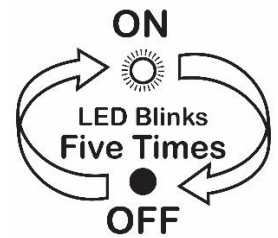
**Setup Mode!**



Step 2 Click the push button **5 times**

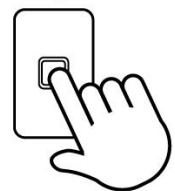


Step 3 The LED Indicator will **blink 5 times**  
 Note: To cancel/exit do nothing for 30 seconds



Step 4 To set Indicator to glow on when timer is off  
 Push the button until the lamp(s) turns ON  
  
 To set Indicator to turn off when timer is off  
 Push the button until the lamp(s) turns OFF  
  
 Note: To cancel/exit do nothing for 30 seconds

**Adjust!**



Step 5 Click once to save & exit



**F: Convert Hour to Minute Timer**

If required, this hour timer can be converted to a standard LEDsmart minute timer, with a time out settable between 1 minute and 30 minutes, in 1 minute increments.

To convert to a minute timer, follow the steps below.

Step 1 Enter into the timer **Setup Mode - See PART A**

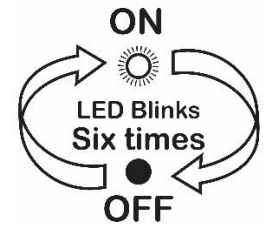
**Setup Mode!**



Step 2 Click the push button **6 times**



Step 3 The LED Indicator will **blink 6 times**  
 Note: To cancel/exit do nothing for 30 seconds

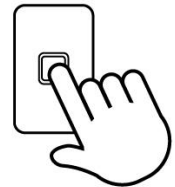


Step 4 To change operation to hour timer mode  
 Push and hold the button until the lamps(s) turn ON (default)

To change operation to minute timer mode (Set minute timer mode)  
 Push and hold the button until the lamps(s) turn OFF

Note: To cancel/exit do nothing for 30 seconds

**Adjust!**



Step 5 Click once to save & exit





**G: Setting MultiMate™ Mode**

Step 1 Enter into the timer Setup Mode - See PART A

**Setup Mode!**

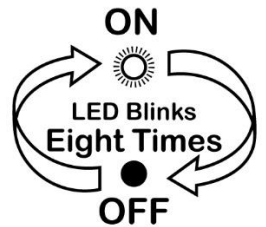


Step 2 Click the push button 8 times



Step 3 LED will blink 8 times

- a. If the MultiMate™ function is currently Disabled, lamp(s) connected to the dimmer will now turn OFF
- b. If the MultiMate™ function is currently Enabled, lamps(s) connected to the dimmer will now turn ON



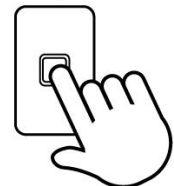
Note: To cancel/exit do nothing for 30 seconds

Step 4 To Enable MultiMate™ (Default) push-and-hold the button until the lamp(s) turns ON

To Disable MultiMate™ push-and-hold the button until the lamp(s) turns OFF

Note: To cancel/exit do nothing for 30 seconds

**Adjust!**



Step 5 Click once to save & exit



## H: Resetting to Factory Default

Step 1 Enter into the timer **Setup Mode** - See PART A

**Setup Mode!**



Step 2 Click the push button **10 times**



Step 3 The timer will automatically exit Setup Mode once reset



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