

LEDsmart⁺

Push Button Minute Timer

Programmable between 1 minute and 30 minutes with built in multi-way control



Timer Setup

The LEDsmart⁺ 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 Timeout period | A |
| Setting Maximum Brightness | B |
| Setting Advanced Timer Features | C |
| Setting Off State LED Feature | D |
| Converting from minute to hour timer | E |
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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

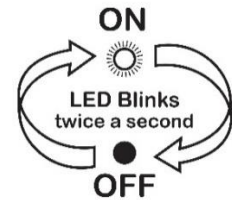
Step 1 Press and hold the button for 10 seconds
 Note: Connected lights will dim up or down, this is normal

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+ minute 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+ minute 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

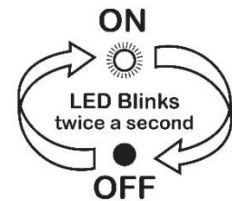
Step 1 Press and hold the button for 30 seconds
 Note: This resets the Setup Entry time back to 10 seconds (for the next 30 minutes)
 Note: Connected lights will dim up or down, this is normal

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+ minute 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+ minute 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 Minutes timer allows a timeout duration of between 1 to 30 minutes in increments of 1 minute.

Out of the box (factory defaults), the time out interval is set to 15 minutes.

To change the time out interval from the default 15 minutes, follow the steps below.

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

Setup Mode!

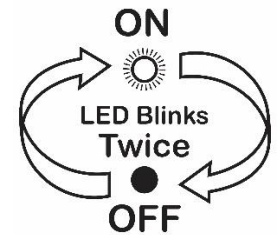


Step 2 Click the push button **2 times**



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 1 minute to the minute timer**

Adjust!



Step 5 When the number of blinks counted equals the number of minutes 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 1 minute timeout
- The timeout period on Minute 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!



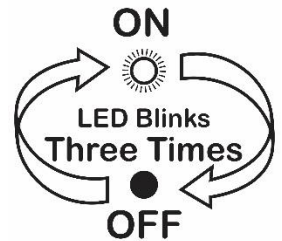
Step 2 Click the push button **3 times**



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⁺ 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⁺ 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**

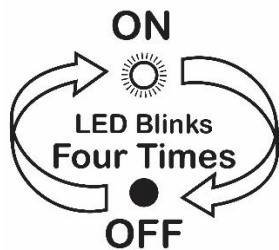
Setup Mode!



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 Advanced Timer 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**

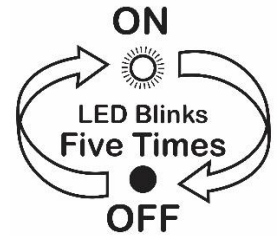
Setup Mode!



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

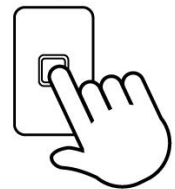


Step 4 To set Indicator to glow on when timer is off
 Push the button until the lamp(s) turns ON

 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 Minute to Hour Timer

If required, this minute timer can be converted to a standard LEDsmart hour timer, with a time out settable between ¼ hour and 7½ hours, in ¼ hour increments.

To convert to an hour timer, follow the steps below.

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

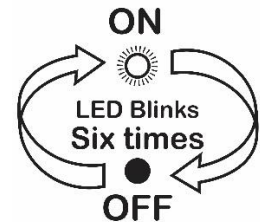
Setup Mode!



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

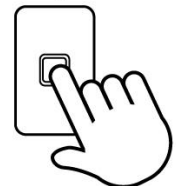


Step 4 To change operation to hour timer mode
 Push and hold the button until the lamps(s) turn ON

To change operation to minute timer mode (Set minute 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



G: Setting MultiMate™ Mode

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

Setup Mode!

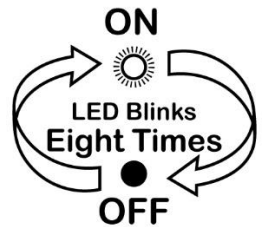


Step 2 Click the push button 8 times



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

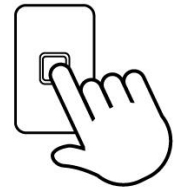


Note: To cancel/exit do nothing for 30 seconds

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

Adjust!



Note: To cancel/exit do nothing for 30 seconds

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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