

Maestro Timer Advanced Programming Mode

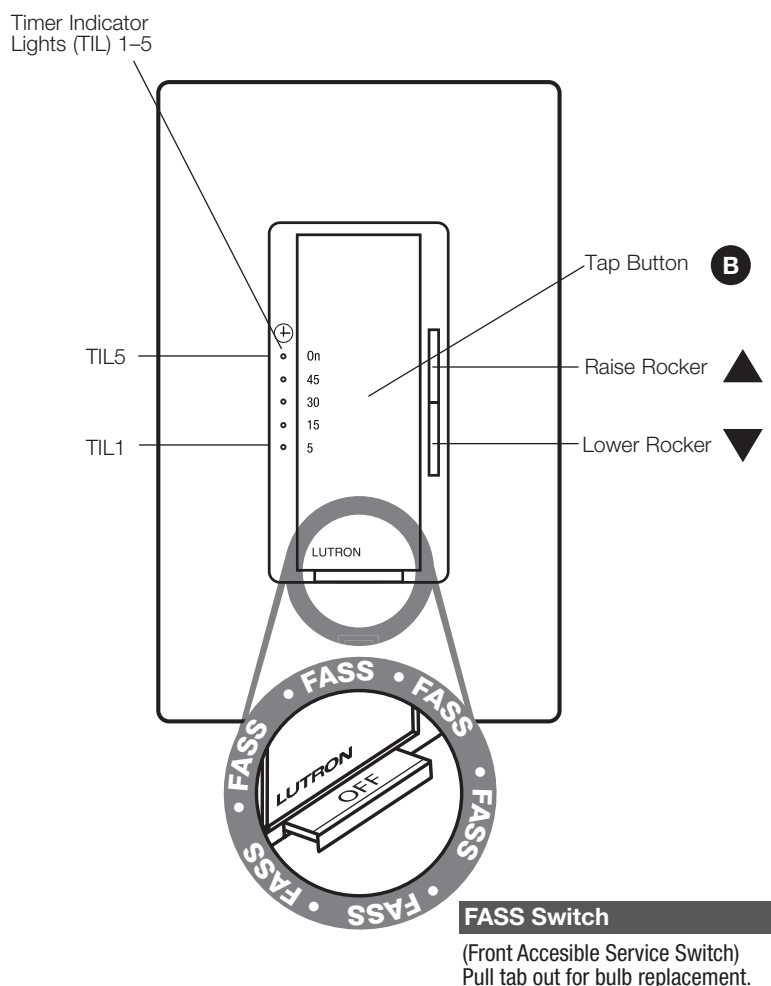
Maestro Timer Switch Model: MA-T51MNB

Overview

Maestro timers contain Advanced Programming Mode (APM) features that allow the user to customize their control to meet their specific needs.

This document serves as a supplement to the instruction sheet. Before entering APM, it is important to have a good understanding of the features included. For a summary of these features and further instructions, see the pages corresponding to your product.

Timer Switch (MA-T51MNB)



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Glossary

Load	The fan and/or light that the switch or timer is controlling.
FASS	Front Accessible Service Switch. Tab at bottom of the product, required to be pulled out for light bulb(s) replacement and entering <i>Advanced Programming Mode (APM)</i> ; also known as <i>Air Gap</i> .
Normal Operation	Standard use of timers; indicator lights will not be blinking.
Slow Blink	Indication of entering <i>APM</i> , Timer Indicator Lights (TILs) blink slowly at a rate of 4 flashes per second.
Fast Blink	Indication of entering <i>Programming</i> settings, Timer Indicator Lights (TILs) blink quickly at a rate of 8 flashes per second.
Unlocked Preset	The timer setting that allows the device to turn <i>ON</i> to the last selected setting.
Locked Preset	A programmable timer setting to which the device will turn <i>ON</i> .
Default Setting	Original preset programming settings to which the device is programmed upon initial use, indicated by ✱.

Advanced Programming Mode

Explanation of Advanced Timer Features

Preset Options: The user has two options for the preset time setting on the timer: locked preset and unlocked preset.

- **Locked Preset:** When programmed for a locked preset, the timer will always return to the predetermined “locked” setting anytime it turns off with either a single tap of the tap button or an expiration of the countdown.
- **Unlocked Preset:** When programmed for an unlocked preset, the timer will return to the time setting it was adjusted to the previous time that the timer was on.

What do I want?

If you frequently use the same time setting and don't want to adjust it each time you use the timer, choose the locked preset option. If you frequently use different time settings, select the unlocked preset option.

Bypass Mode Options: The user has two options for the maximum level of the timer, when the *tap button is tapped or double-tapped*: the “On” setting (enable bypass) and the 45-minute setting (disable bypass).

What do I want?

If you always want the timer to time out when turned on by pressing the tap button, select the disable bypass mode option. This is useful for situations in which you would like the timer to always turn off automatically, even if the user double-taps the tap button. If you want to be able to access the “On” setting, select the enable bypass mode option.

Selecting the Load Flash Option

When enabled, this makes the load do a one second flash when the timer counts down to the one minute mark.

What do I want?

If the timer is connected to a lighting load, this provides a more visible indication (connected lighting load will flash) that the countdown timer is down to 1 minute.

Note: Not recommended for a fan load.

Using Timer Advanced Programming Mode

Advanced programming mode consists of two modes of operation that the user can interact with. The main menu mode allows the user to select which feature they would like to modify. The selection mode allows the user to change the setting of the feature they selected in the main menu mode.

Note: Once a feature is modified, that modification is immediately saved.

There is a step-by-step example on page 9.

Entering Main Menu Mode (refer to picture on page 1)

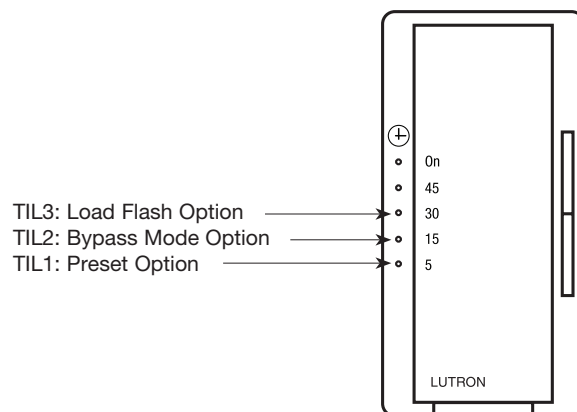
1. **Pull** the air gap (FASS) into the “Off” position.
2. **Press and hold** the tap button of the product you’re programming.
3. **Push** the air gap to the “On” position **while continuing to hold** the tap button for approximately 5 seconds.

The bottom TIL will begin to blink to indicate that you have entered advanced programming mode. Additionally, the load will be on while in advanced programming mode.

Note: If there is no activity for 1 minute, the timer will automatically exit advanced programming mode.

Entering Selection Menu Mode

1. **Press** the raise/lower rocker to change the TIL position to indicate which feature you would like to modify (refer to picture at right):
 - TIL3 - Load Flash option
 - TIL2 – Bypass Mode option;
 - TIL1 – Preset option.
2. **Press** the tap button **one time** and the feature will be selected for modification.



Timer APM Programming Settings

Setting 1: Selecting a Preset Option

What Does It Do?

Preset option determines what timeout setting the timer turns on to when the Tap button is pressed. The user has two options for the preset time setting on the timer: *Locked Preset* and *Unlocked Preset*.

Locked Preset: When programmed for a *Locked Preset*, the timer will always return to the predetermined “locked” setting anytime it turns off with either a single tap of the Tap button or an expiration of the countdown.

Unlocked Preset: When programmed for an *Unlocked Preset*, the timer will return to the time setting it was adjusted to the previous time that the timer was on.

Default setting: Unlocked Preset

What Do I Want?

If you frequently use the same time setting and don't want to adjust it each time you use the timer, choose the *Locked Preset* option. If you frequently use different time settings, select the *Unlocked Preset* option.

1. While in main menu mode, **press** ▲ or ▼ until TIL1 is in slow blink mode.
2. **Press** **B** button one time.

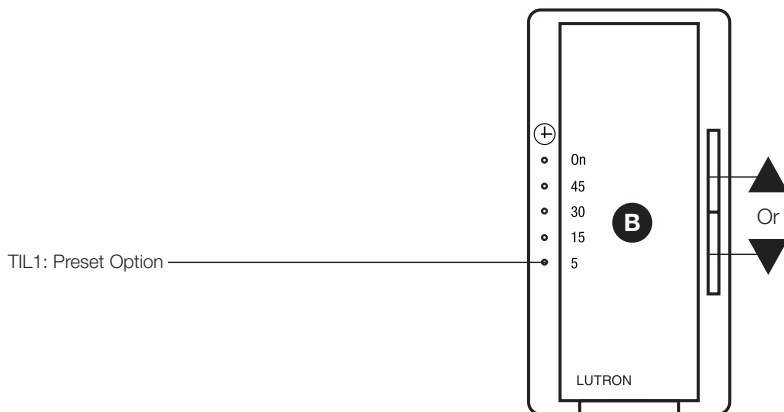
Directions

Selecting Locked Preset

1. **Press** ▲ or ▼ until TIL1-5 lights up to adjust the time level to the desired *Locked Preset*. Select the TIL which corresponds to the desired timeout for locked preset. If all TILs are off, then the timer is in the unlocked preset state.
2. **Press** **B** button **one time** to return to the main menu.

Selecting Unlocked Preset

1. **Press** ▼ until the quickly flashing TIL1 disappears.
2. **Press** **B** button **one time** to save selection and to return to the main menu.



Notes:

- If there is no button activity for 1 minute, the timer will automatically save, exit *APM*, and return to *Normal Operation*.
- **To save and exit immediately** out of *APM* to *Normal Operation*, **press and hold** **B** until TILs stop blinking.

Timer APM Programming Settings (continued)

Setting 2: Selecting a Bypass Mode Option

What Does It Do?

This setting sets the timer level you go to on a **B** button double tap. The user has two options for the maximum level of the timer: the “On” setting (enable bypass) and the 45-minute setting (disable bypass).

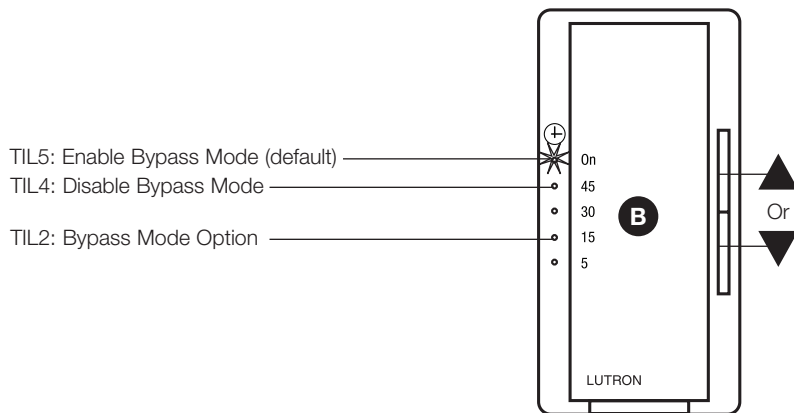
Default setting: “On” (Enabled)

What Do I Want?

If you want the “On” setting with no automatic turn off, select the Enable Bypass Mode option. If you want the 45-minute setting with automatic turn off, select the Disable Bypass Mode option.

Directions

1. While in main menu mode, **press** ▲ or ▼ until TIL2 is in slow blink mode.
2. **Press** **B** button one time. A quickly flashing TIL will indicate the bypass mode option (button double tap level).
3. **Press** ▲ or ▼ to adjust the desired bypass mode option (button double tap level).
4. **Press** **B** button **one time** to return to the main menu.



TIL Position	B Button Double Tap Level
5	On (default)
4	45 minutes

Notes:

- If there is no button activity for 1 minute, the timer will automatically save, exit *APM*, and return to *Normal Operation*.
- **To save and exit immediately** out of *APM* to *Normal Operation*, **press and hold** **B** until TILs stop blinking.

Timer APM Programming Settings (continued)

Setting 3: Selecting the Load Flash Option

What Does It Do?

When enabled, this makes the load do a one second flash when the timer counts down to the one minute mark.

Default setting: Disabled

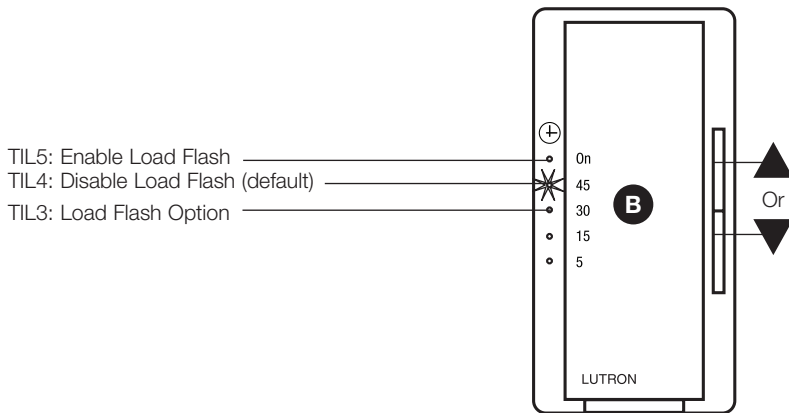
What Do I Want?

If the timer is connected to a lighting load, this provides a more visible indication (connected lighting load will flash) that the countdown timer is down to 1 minute.

Note: Not recommended for a fan load.

Directions

1. While in main menu mode, **press** ▲ or ▼ until TIL3 is in slow blink mode.
2. **Press** **B** button **one time**. A quickly flashing TIL will indicate the load flash setting.
3. **Press** ▲ or ▼ to adjust the desired setting.
4. **Press** **B** button **one time** to return to the main menu.



TIL Position	Load Flash Setting
5	Enable
4	Disable (default)

Notes:

- If there is no button activity for 1 minute, the timer will automatically save, exit *APM*, and return to *Normal Operation*.
- To save and exit immediately out of *APM* to *Normal Operation*, press and hold **B** until TILs stop blinking.

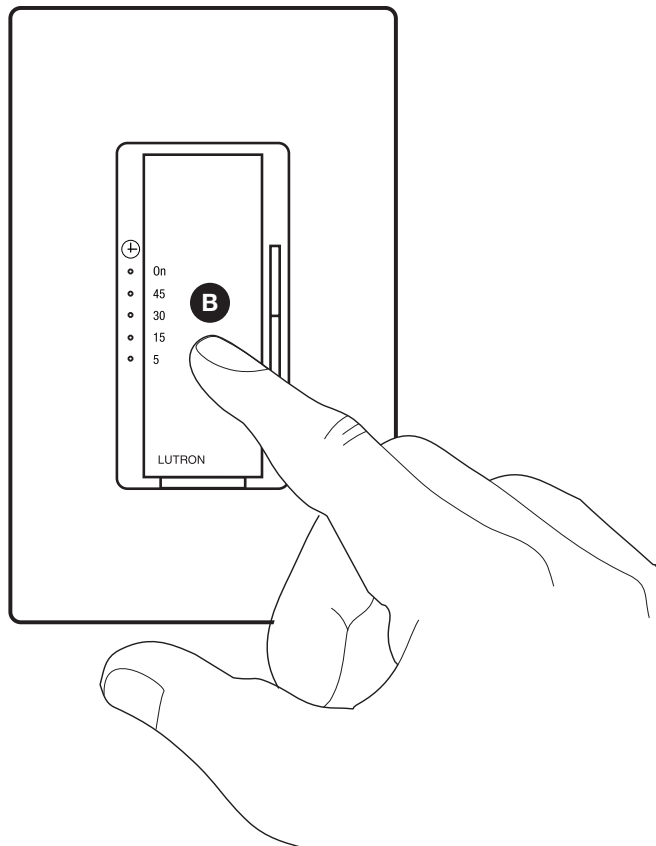
Timer APM Programming Settings (continued)

Exiting Main Menu Mode

1. Press and hold the tap button for 4 seconds to exit the main menu. Alternatively, wait 1 minute or pull the FASS and the timer will automatically exit from advanced programming mode.

Notes:

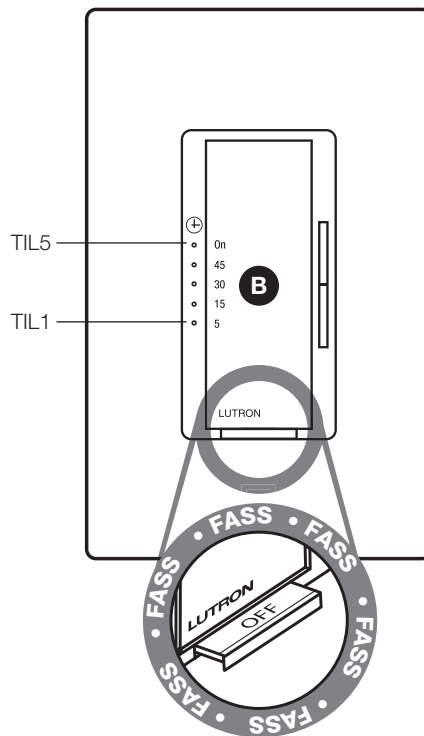
- If there is no button activity for 1 minute, the timer will automatically save, exit *APM*, and return to *Normal Operation*.
- To save and exit immediately out of *APM* to *Normal Operation*, press and hold **B** until TILs stop blinking.



Timer Step-by-Step Example

Enter Programming Mode

1. Pull the FASS toward you.
2. Press and hold the **B** button of the product you are programming.
3. Push the FASS back in while continuing to hold the **B** button for about 5 seconds until TIL1 blinks quickly.
Continue programming:
4. If TIL1 is not blinking, press ▲ up rocker or ▼ down rocker until TIL is blinking, to select the preset option.
5. Press **B** (tap on/off button) once.
6. Using the ▲ up or ▼ down rocker, select TIL3 for 30-min locked preset.
7. Press **B** (tap on/off button) once, back to main menu.
8. Using the ▲ up rocker to select TIL2 for bypass mode option.
9. Press **B** (tap on/off button) once and either TIL4 or TIL5 will be flashing to indicate the current bypass mode option.
10. Press **B** (tap on/off button) once to return to main menu.
11. Press **B** (tap on/off button) once to save.
12. Press and hold **B** button for 5 seconds until the TIL stops blinking to save and exit APM to Normal Operation.



Shortcuts and Additional Features

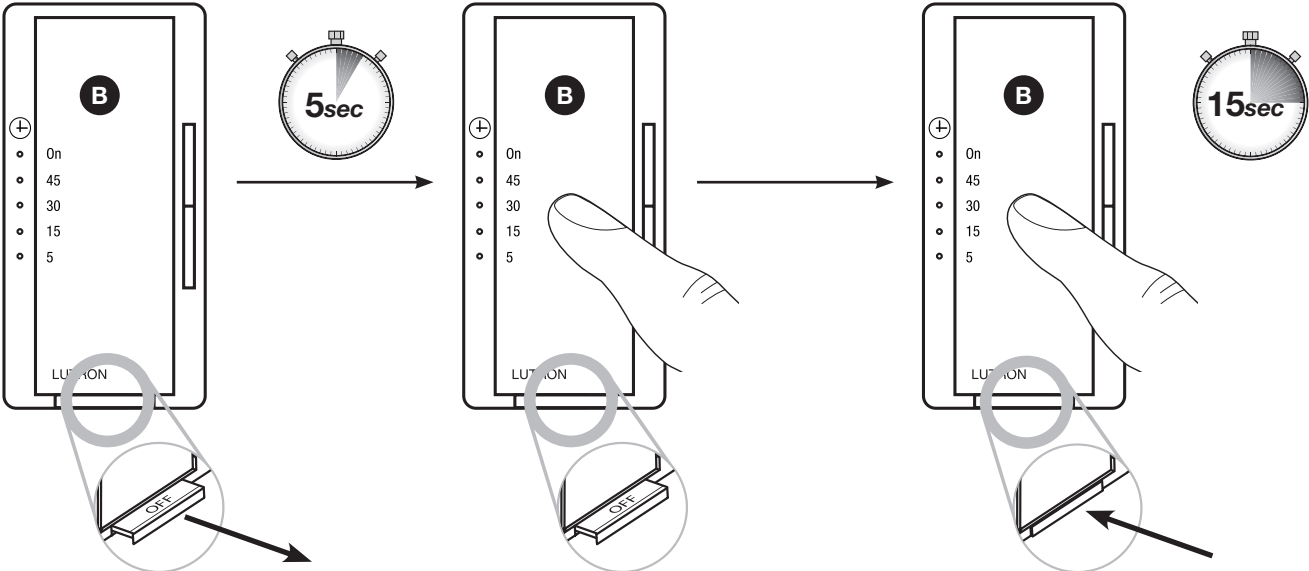
Restoring Default Settings

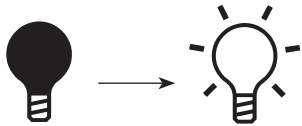
The timer switch can be returned to its original factory settings. This allows the programmer a risk-free experience to try different settings.

Default settings

Load Flash Disabled
 Bypass Enabled
 Preset Option. Unlocked (no TILs blinking)

To Restore Factory Defaults

- 
1. Pull the FASS into the OFF position (out), and wait 5 seconds.
 2. Press and hold **B**. While continuing to hold **B**, push the FASS to the ON position (in) and continue to hold **B** for approximately 15 seconds.
 Note: The timer switch will enter APM; continue to hold **B** for the remainder of the 15 seconds.



3. Load (light) will turn OFF and turn back ON. This indicates a successful factory reset.

Note:

If you perform the factory reset sequence, you will lose your selected APM settings.

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