Overview

The Maestro C•L fan/light control features an Advanced Programming Mode (APM) that allows 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.

Notes:

- To replace fixture bulb(s), power may be temporarily disconnected at the light fixture by pulling the FASS out.
- For any procedure other than routine bulb replacement, power MUST be disconnected at the main electrical panel.
Glossary

**Dimmer Load** ............ The light bulb(s) that the dimmer is controlling.

**Fan Load** ............... The ceiling fan that the dimmer is controlling.

**FASS** .................. Tab at bottom of the product, required to be pulled out for light bulb(s) replacement and entering Advanced Programming Mode (APM); also known as Air Gap.

**Normal Operation** ...... Standard use of dimmers or fan controls (ON/OFF, Raise/Lower); indicator lights will not be blinking.

**Slow Blink** ............. Indication of entering APM, dimmer indicator lights (DILs) or fan indicator lights (FILs) blink slowly at a rate of 4 flashes per second.

**Fast Blink** .............. Indication of entering Programming settings, dimmer indicator lights (DILs) or fan indicator lights (FILs) blink quickly at a rate of 8 flashes per second.

**Unlocked Preset** ...... A light level or fan speed setting that allows the device to turn ON to the last selected setting.

**Locked Preset** .......... A programmable light level or fan speed setting to which the device will turn on to.

**High-End Trim** ........ The highest achievable light level to which the device can be adjusted.

**Low-End Trim** .......... The lowest achievable light level to which the device can be adjusted.

**Default Setting** ...... Original preset programming settings to which the device is programmed upon initial use, indicated by ⚫.

**Factory Default** ...... Original preset programming settings set up as a starting point for users; also known as Default Setting.
How to Enter Advanced Programming Mode (APM)

1. **Pull** the FASS into the **OFF** position (out), and **wait** 5 seconds.

2. **Press and hold** \( T \). While continuing to hold \( T \), **push** the FASS to the **ON** position (in) and **continue to hold** \( T \) for approximately 5 seconds.

3. Once the bottom dimmer indicator light (DIL 1) begins to slowly blink indicating that you have entered *Advanced Programming Mode (APM)*, **release** \( T \).

**Note:**
- If there is no button activity for 1 minute, the dimmer will automatically exit *APM* and return to *Normal Operation*. 
How to Enter a Programming Setting

1. While in Advanced Programming Mode (APM) as shown on page 3, press ▲ or ▼ to select the desired programming setting. The slow blinking DIL or FIL will indicate which setting you have selected.

2. To enter the desired setting, press T. Proceed to the specific programming setting page to view programming instructions for the desired setting.

Note:

- If there is no button activity for 1 minute, the device will automatically exit APM and return to Normal Operation.
APM Programming Settings

Setting 1: Switch Enable/Dimmer Enable

What Does It Do?

*Dimmer Enable* is ON when DIL 4 is blinking rapidly and *Switch Enable* is ON when the DIL 4 is OFF. When Dimmer Enable is ON, the ▲ or ▼ buttons can be used to vary the light level. When Switch Enable is ON, the light level can only be fully on or fully off.

**Default setting:** ON (DIL 4).

Directions

Enable/Disable Dimmer

1. While in APM, press ▲ or ▼ to select Fan Indicator Light 3 (FIL3). Once FIL3 is blinking, press T. FIL3 will then turn off and Dimmer Indicator Light 4 (DIL4) will begin to blink rapidly or remain OFF, indicating that the setting has been entered.
2. Once DIL4 begins blinking rapidly or turns OFF, press ▲ or ▼ to enable/disable the dimmer mode.
3. To save the desired Switch/Dimmer Enable mode, press T. This will exit out of Setting 1 and return to APM main menu.

Notes:

- If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
- To save and exit immediately out of APM to Normal Operation, press and hold T until the DILs stop blinking.
APM Programming Settings (continued)

Setting 2: Preset Fan Level

What Does It Do?
There are 2 settings available.
Locked Preset: Tap F once to turn fan on to a predetermined speed.
Unlocked Preset: The fan will turn on to the previous speed.
Default setting: Unlocked Preset.

Directions
Selecting Locked Preset
1. While in APM, press ▲ or ▼ to select Fan Indicator Light 4 (FIL4). Once FIL4 is blinking, press T. The DIL corresponding to the currently stored Preset Fan Level will begin to blink rapidly or all lights will turn off, indicated that Unlocked Preset is selected.
2. When entering Setting 2 for the first time after installing, the default setting is “Unlocked.”
   Note: Unlocked Preset is indicated by no FILs turned ON. Press ▲ or ▼ to choose desired fan speed.

Notes:
- If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
- To save and exit immediately out of APM to Normal Operation, press and hold T until the DILs stop blinking.
APM Programming Settings  (continued)

Setting 2: Preset Fan Level  (continued)

3. To save the desired fan speed, press T. This will immediately exit out of Setting 2 and return to APM main menu.

![Image of dimmer control]

Your default fan speed setting has now been redefined. A single tap of F (when in Normal Operation, not APM) will now always return the fan to this selected speed setting until preset is deactivated or reset.

Selecting Unlocked Preset

1. To deactivate a Locked Preset setting, repeatedly press ▼ until all Fan Indicator Lights turn OFF.
2. To save the Unlocked Preset, press T. This will immediately exit out of Setting 1 and return to APM main menu.

![Image of dimmer control]

Notes:

- If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
- To save and exit immediately out of APM to Normal Operation, press and hold T until the DILs stop blinking.
APM Programming Settings (continued)

Setting 3: Preset Light Level

What Does It Do?
There are 2 settings available.

Locked Preset: Tap \( \text{T} \) once to turn light on to a predetermined level.

Unlocked Preset: The light will turn on to the previous level.

Default setting: Unlocked Preset.

Directions

Selecting Locked Preset

1. While in APM, press \( \uparrow \) or \( \downarrow \) to select Dimmer Indicator Light 1 (DIL1). Once DIL1 is blinking, press \( \text{T} \). The DIL corresponding to the currently stored Locked Preset will begin to blink rapidly or all lights will turn off, indicated that Unlocked Preset is selected.

2. When entering Setting 3 for the first time after installing, the default setting is “Unlocked.”

Note: Unlocked Preset is indicated by no Indicator Lights turned ON. Press \( \uparrow \) or \( \downarrow \) to choose desired light intensity. The light will brighten or dim, reflecting the Locked Preset level as the this feature is adjusted.

Notes:
- If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
- To save and exit immediately out of APM to Normal Operation, press and hold \( \text{T} \) until the DILs stop blinking.
APM Programming Settings (continued)

Setting 3: Preset Light Level (continued)

3. To save the desired light intensity, press T. This will immediately exit out of Setting 3 and return to APM main menu.

![Image of dimmer with T button highlighted]

Your default light setting has now been redefined. A single tap of T (when in Normal Operation, not APM) will now always return the dimmer to this selected light setting until preset is deactivated or reset. A double tap will always bring the lights to full intensity.

Selecting Unlocked Preset

1. To deactivate a Locked Preset setting, press ▼ until DIL1 is quickly flashing. Release ▼ and press and hold ▼ again for approximately 3 seconds or until all Indicator Lights turn OFF.

   Note: The light will remain at its minimum output when you perform this action.

2. To save the Unlocked Preset, press T. This will immediately exit out of Setting 3 and return to APM main menu.

![Image of dimmer with T button highlighted]

Notes:
- If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
- To save and exit immediately out of APM to Normal Operation, press and hold T until ILs stop blinking.
**APM Programming Settings** (continued)

**Setting 4: Fade ON Time**

**What Does It Do?**
This setting allows control over how quickly the lights will fade up when the dimmer is turned ON. These settings include fade times from OFF to a maximum light output as quickly as 0.75 seconds and as slowly as 15 seconds.

**Default setting:** 0.75 seconds (DIL1).

**Directions**

**Selecting a Fade ON Time**
1. While in **APM**, press ▲ or ▼ to select Dimmer Indicator Light 2 (DIL2). Once DIL2 is blinking, press T. The DIL corresponding to the currently stored Fade ON Time will begin to blink rapidly, indicating that the setting has been entered.
2. Upon entering Setting 4, press ▲ or ▼ to select the desired Fade ON Time. DILs 1–5 represent the different Fade ON Time settings. Refer to the table below to determine which time is best suited to your needs.
3. To save the desired Fade ON Time, press T. This will exit out of Setting 4 and return to **APM** main menu.

<table>
<thead>
<tr>
<th>DIL Position</th>
<th>Fade ON Time*</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>15 seconds</td>
</tr>
<tr>
<td>4</td>
<td>5 seconds</td>
</tr>
<tr>
<td>3</td>
<td>3 seconds</td>
</tr>
<tr>
<td>2</td>
<td>2.5 seconds</td>
</tr>
<tr>
<td>1</td>
<td>0.75 seconds (default)</td>
</tr>
</tbody>
</table>

* Time from OFF to maximum light level.

**Notes:**
- The fade time while using ▲ or ▼ during normal operation is not affected by any Fade ON time modification. These speeds are constant.
- If there is no button activity for 1 minute, the dimmer will automatically exit **APM** and return to Normal Operation.
- **To save and exit immediately** out of **APM** to Normal Operation, press and hold T until DILs stop blinking.
APM Programming Settings (continued)

Setting 5: Fade OFF Time

What Does It Do?
This setting allows control over how quickly the lights will fade down when the dimmer is turned OFF. These settings include fade times from a maximum light output to OFF as quickly as 0.75 seconds and as slowly as 15 seconds.

Default setting: 2.5 seconds (DIL2).

Directions
Selecting a Fade OFF Time
1. While in APM, press ▲ or ▼ to select Dimmer Indicator Light 3 (DIL3). Once DIL3 is blinking, press T. DIL3 will turn off and the DIL corresponding to the currently stored delayed Fade OFF Time will begin to blink rapidly, indicating that the setting has been entered.
2. Upon entering Setting 5, press ▲ or ▼ to select the desired Fade OFF Time. DILs 1–5 represent the different Fade OFF Time settings. Refer to the table below to determine which time is best suited to your needs.
3. To save the desired Fade OFF Time, press T. This will exit out of Setting 5 and return to APM main menu.

Notes:
• The fade time while using ▲ or ▼ during normal operation is not affected by any Fade OFF time modification. These speeds are constant.
• If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
• To save and exit immediately out of APM to Normal Operation, press and hold T until ILs stop blinking.

### DIL Position | Fade OFF Time*  
---|---  
5 | 15 seconds  
4 | 5 seconds  
3 | 3 seconds  
2 | 2.5 seconds (default)  
1 | 0.75 seconds

* Time from maximum light level to OFF.
APM Programming Settings (continued)

Setting 6: Delayed Fade to OFF

What Does It Do?
This setting allows control over how quickly/delayed the lights begin to start the dimming sequence. This setting delays the time between when T is pressed (Normal Operation) and when the lights actually begin the Fade to OFF process.

Default setting: 30 seconds (DIL3).

Directions
Setting Delayed Fade to OFF
1. While in APM, press ▲ or ▼ to select Dimmer Indicator Light 4 (DIL4). Once DIL4 is blinking, press T. DIL4 will turn off and Dimmer Indicator Light 3 (DIL3) will begin to blink rapidly or remain OFF, indicating that the setting has been entered.
2. Upon entering Setting 6, press ▲ or ▼ to select the desired Delayed Fade to OFF time. DILs 1–7 represent the different Delayed Fade to OFF times. Refer to the table below to determine which time is best suited to your needs.
3. To save the desired Delayed Fade to OFF, press T. This will exit out of Setting 6 and return to APM main menu.
4. To use this feature in Normal Operation, while the light is ON, press and hold T for 2 seconds and release. The Delayed Fade to OFF will then initiate.

Notes:
• If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
• To save and exit immediately out of APM to Normal Operation, press and hold T until ILs stop blinking.
APM Programming Settings (continued)

Setting 7: Enable/Disable Indicator Lights

What Does It Do?
Enable/Disable Indicator Lights allows enabling/disabling of the DILs and FILs when the dimmer is turned OFF.

Default setting: Indicator Lights (nightlight mode): ON (DIL4).

Directions
Enable/Disable Indicator Lights
1. While in APM, press ▲ or ▼ to select Dimmer Indicator Light 5 (DIL5). Once DIL5 is blinking, press ▼. DIL5 will turn off and Dimmer Indicator Light 4 (DIL4) will begin to blink rapidly or remain OFF, indicating that the setting has been entered.
2. Upon entering Setting 7, press ▲ or ▼ to enable/disable the nightlight mode (ON/OFF.)
   Note: When pressing any option other than DIL 4, all other DILs will remain OFF. This represents the Disabled setting.
3. To save the desired Enable/Disable Indicator Lights setting, press ▼. This will exit out of Setting 7 and return to APM main menu.

Notes:
• It may be necessary to Disable the Indicator Lights (nightlight mode) when using certain CFL and LED bulbs to achieve best bulb performance.
• If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
• To save and exit immediately out of APM to Normal Operation, press and hold ▼ until DILs stop blinking.
APM Programming Settings (continued)

Setting 8: Low-End Trim

What Does It Do?
This setting changes the lowest dimmer light level to obtain best bulb performance.

Default setting: DIL2

Directions
Setting Low-End Trim

1. While in APM, press ▲ or ▼ to select Dimmer Indicator Light 6 (DIL6). Once DIL6 is blinking, press ▼. DIL6 will turn off and the DIL corresponding to the currently stored Low-End Trim level will begin to blink rapidly, indicating that the setting has been entered.

2. Upon entering Setting 8, press ▲ or ▼ to select the desired Low-End Trim level.
   
   Note: While setting the Low-End Trim, it is advised that the programmer observe the actual light (load) and not the DILs on the dimmer to determine the optimum setting. Incremental levels of light intensity exist between each DIL setting and the programmer may have to press ▲ or ▼ several times to proceed to the next highest/lowest setting.

3. To save the desired Low-End Trim setting, press ▼. This will exit out of Setting 8 and return to APM main menu.

Notes:
- Low-End Trim adjustment is required for LEDs and CFLs; if not performed, the life of the LED/CFL bulb may be reduced.
- A quick method to adjust low-end trim is explained on page 16.
- If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
- To save and exit immediately out of APM to Normal Operation, press and hold ▼ until DILs stop blinking.
**APM Programming Settings** (continued)

**Setting 9: High-End Trim**

**What Does It Do?**
This setting changes the highest achievable light levels.

**Default setting:** DIL7

**Directions**

**Setting High-End Trim**

1. While in APM, press ▲ or ▼ to select Dimmer Indicator Light 7 (DIL7). Once DIL7 is blinking, press T. The DIL corresponding to the currently stored High-End Trim level will begin to blink rapidly, indicating that the setting has been entered.

2. Upon entering Setting 9, press ▲ or ▼ to select the desired High-End Trim level.
   
   **Note:** While setting the High-End Trim, it is advised that the programmer observe the actual light (load) and not the DILs on the dimmer to determine the optimum setting. Incremental levels of light intensity exist between each DIL setting and the programmer may have to press ▲ or ▼ several times before the next DIL will illuminate.

3. To save the desired High-End Trim setting, press T. This will exit out of Setting 9 and return to APM main menu.

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**Notes:**

- If there is no button activity for 1 minute, the dimmer will automatically exit APM and return to Normal Operation.
- **To save and exit immediately** out of APM to Normal Operation, press and hold T until DILs stop blinking.
Shortcuts and Additional Features

Low-End Trim Shortcut (Entry into APM is not required)

For quick changes to the Low-End Trim, a shortcut method has been created that bypasses the APM.

1. Press and hold T and ▼ until a DIL blinks. The load will turn OFF and then turn ON to Low-End.

2. Press ▲ or ▼ to adjust light output until stable and not flickering. Press and release T to save setting.

3. Press and release T to turn load OFF, then press ▲ once. If load does not turn ON or remains unstable, repeat Steps 1-3, increasing light with ▲ until the light turns on and remains stable.
Shortcuts and Additional Features (continued)

Restoring Default Settings

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

Default settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Default Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enable/Disable Dimmer</td>
<td>ON</td>
</tr>
<tr>
<td>Preset Fan Level</td>
<td>Unlock Preset (all FILs turned OFF)</td>
</tr>
<tr>
<td>Preset Light Level</td>
<td>Unlocked Preset (all DILs turned OFF)</td>
</tr>
<tr>
<td>Fade ON Time</td>
<td>0.75 seconds</td>
</tr>
<tr>
<td>Fade OFF Time</td>
<td>2.5 seconds</td>
</tr>
<tr>
<td>Delayed Fade to OFF</td>
<td>30 seconds</td>
</tr>
<tr>
<td>Enable/Disable Indicator Lights</td>
<td>ON</td>
</tr>
<tr>
<td>Low-End Trim</td>
<td>DIL 2</td>
</tr>
<tr>
<td>High-End Trim</td>
<td>DIL 7 (highest level)</td>
</tr>
</tbody>
</table>

To Restore Factory Defaults

1. **Pull** the FASS into the OFF position (out), and **wait** 5 seconds.

2. **Press and hold** T. While continuing to hold T, **push** the FASS to the ON Position (in) and **continue to hold** T for approximately 15 seconds.
   **Note:** The dimmer will enter APM; **continue to hold** T for the remainder of the 15 seconds.

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

**Note:**
- If you perform the factory reset sequence, you will lose your selected APM settings and may need to adjust low-end trim settings to accommodate your particular bulbs.
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