

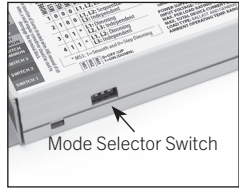
# LOW VOLTAGE CONTROLLER MODES

## FOR THE LVC-2000-004

**IMPORTANT:** Consult the Directions for Use for your low voltage controller for complete installation instructions

See the chart below to select the appropriate mode to do the following:

- ▶ Control up to three loads (lights, blinds, shades, etc.)
- ▶ Turn on and off and/or dim LED lights



Mode Selector Switch Settings →

		Mode #1 (DEFAULT)	Mode #2	Mode #3		Mode #4	
		Load 1, Load 2, Load 3 all Independent (ON/OFF)	Load 1 and Load 2 Sequential, Load 3 Independent (ON/OFF)	Load 1 Dimming, Load 2 and 3 Independent (ON/OFF)		Load 1 and Load 2 Dimming, Load 3 Independent (ON/OFF)	
				Step Dimming (one direction)	Smooth Dimming* (two direction)	Step Dimming (one direction)	Smooth Dimming* (two direction)
		MS1=OFF (0) MS2=OFF (0) MS3=OFF (0)	MS1=ON (1) MS2=OFF (0) MS3=OFF (0)	MS1=OFF (0) MS2=ON (1) MS3=OFF (0)	MS1=OFF (0) MS2=ON (1) MS3=ON (1)	MS1=ON (1) MS2=ON (1) MS3=OFF (0)	MS1=ON (1) MS2=ON (1) MS3=ON (1)
<b>Toggle Switch 1</b> (Pillow Speakers, wall switch) affects Load 1 as follows:	First Toggle	load 1 ON	load 1 ON, load 2 OFF	load 1 ON, Full brightness	First toggle: Load 1 ON, dim level set to Approx. 25% brightness	load 1 ON, Full brightness dimming	First toggle: Load 1 ON, dim level set to Approx. 25% brightness
	Second Toggle	load 1 OFF	load 1 OFF, load 2 ON	load 1 ON, Approx. 75% brightness		load 1 ON, Approx. 75% brightness	
	Third Toggle	—	load 1 ON, load 2 ON	load 1 ON, Approx. 50% brightness	Subsequent sustained presses: smooth dimming*	load 1 ON, Approx. 50% brightness	Subsequent sustained presses: smooth dimming*
	Fourth Toggle	—	load 1 OFF, load 2 OFF	load 1 ON, Approx. 25% brightness		load 1 ON, Approx. 25% brightness	
	Fifth Toggle	—	—	load 1 OFF	Second toggle: Load 1 OFF	load 1 OFF	
<b>Toggle Switch 2</b> (Pillow Speakers, wall switch) affects Load 2 as follows:	First Toggle	load 2 ON	—	load 2 ON	load 2 ON	load 2 ON, Full brightness	First toggle: Load 2 ON, dim level set to Approx. 25% brightness
	Second Toggle	load 2 OFF	—	load 2 OFF	load 2 OFF	load 2 ON, Approx. 75% brightness	
	Third Toggle	—	—	—	—	load 2 ON, Approx. 50% brightness	Subsequent sustained presses: smooth dimming*
	Fourth Toggle	—	—	—	—	load 2 ON, Approx. 25% brightness	
	Fifth Toggle	—	—	—	—	load 1 OFF	Second toggle: Load 2 OFF
<b>Toggle Switch 3</b> (Pillow Speakers, wall switch) affects Load 3 as follows:	First Toggle	load 3 ON	load 3 ON	load 3 ON	load 3 ON	load 3 ON	load 3 ON
	Second Toggle	load 3 OFF	load 3 OFF	load 3 OFF	load 3 OFF	load 3 OFF	load 3 OFF

\* Dimming is only possible if wired to a luminaire with dimmable drivers. If a load is not supplied with a dimmable driver, loads 1 and 2 are limited to ON/OFF control.

**CONTINUED >**

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# LOW VOLTAGE CONTROLLER MODES

## FOR THE LVC-2000-004

**IMPORTANT:** Consult the Directions for Use for your low voltage controller for complete installation instructions

1. A toggle is a switch press that is released within 0.5 seconds.
2. A sustained press is a switch press that is held for more than 0.5 seconds before it is released.
3. Smooth dimming means that an initial sustained press of the light button (once the load is ON) will slowly increase the dimming level from 25% to 100% and latch. This transition occurs in 400 ms increments and takes approximately four seconds total, allowing sufficient time for the user to identify the desired level and release the button to latch to that specific dimming level. A subsequent sustained press reverses the dimming direction from 100% down to 10% and latches. This transition occurs in 400 ms increments and takes approximately five seconds total. Each successive sustained press continues to reverse the dimming direction between 10% and 100%.

If a sustained press is held down continuously, the dimming output will stop at the maximum or minimum value, depending on the dimming direction. The sustained press must be released, and the switch toggled with a short press in order to turn the load OFF. The next short press will turn the load back ON. The dimming level will always start at 25% when the load is turned ON, and the initial dimming direction is always from 25% to 100%. Sustained presses do not have any effect when the load is OFF.

**Note:** Smooth Dimming is not functionally compatible with all current patient stations. To verify whether or not smooth dimming is compatible with the patient station employed, connect the LVC-2000-004 in mode 3 and set MS3 ON. TOGGLE switch 1 to turn on Load 1 at 25% output. Next, make a SUSTAINED PRESS on switch 1. If the load begins to dim and reaches its maximum output within 10 seconds, then the patient station is compatible with Smooth Dimming. If the state of the light does not visibly change, then the patient station is not compatible with this feature and only ON/OFF control will be possible.