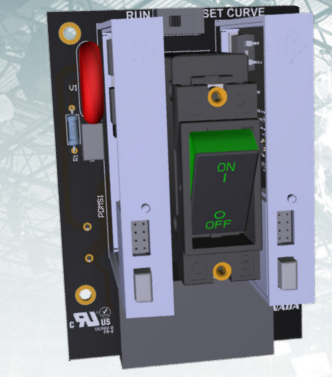
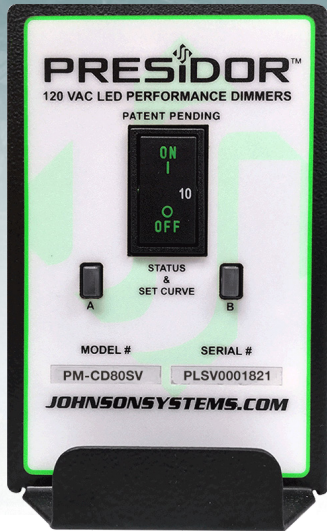
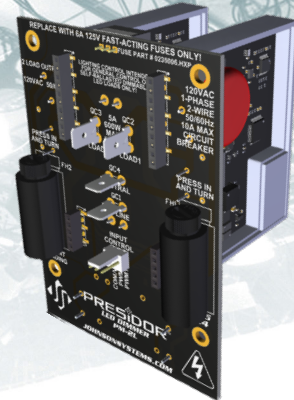


# PRESIDOR™

## Retrofit LED Dimmers • CURVE PROCEDURE



**Motherboard FRONT View**  
Slide Switch to Set Dimmer Curve  
SW1 RUN / SET CURVE



**Motherboard REAR View**  
F1 & F2 Replace With 5x20mm  
6A 125V Fast-Acting Fuses only!

**Lighting control intended for general control of self-ballasted (dimmable) LED load via CD-3000 or CD-3000+ control systems only!**

Curve set procedure for the PM-CD80SV and PM-C21 retrofit LED dimmer modules:

1. Make sure the CD-3000 has the curves for the rack position these are to be used in set to DIRECT DRIVE.  
*NOTE 1: These LED dimmer modules will not perform as designed unless the curve feeding them is set to DIRECT DRIVE!*
2. Remove the module from the rack and set switch SW1 to the SET CURVE position and re-insert the module. LED should be FLASHING WHITE.
3. Raise the DMX level up to at least 50% control, then lower the level until the minimum desirable and stable light level is obtained. Push the curve set button on the face panel to "lock in" this level as the new 2% DMX control level. LED should be CYAN.
4. Remove the module again and set switch SW1 back to the RUN position. Re-insert the module. LED should be GREEN.
5. You are done!

*NOTE 2: Ensure all the LED loads on the dimmer are of the same manufacturer, model# and wattage for best performance. If lamps are new, it is recommended to run them at 50% to 100% for at least a few minutes before setting the curve below. This allows them to "Burn In" and stabilize for more consistent lumen output. It is also recommend that the curve procedure below be repeated after the first 20 hours of operation for best performance.*

Set Curve/Status color indication:

FUNCTION	COLOR
GREEN	Normal Operation
SLOW FLASHING GREEN	Fault Recovery
FLASHING GREEN	ZCD Fault (blown fuse)
FLASHING YELLOW	Over Power
FLASHING RED	Short-circuit
RED	Over-Temp
FLASHING MAGENTA	Inductive Load
FLASHING WHITE	Curve Set Activated
CYAN	Curve Set Locked

*NOTE: Designed for use with 120VAC dimmable ballast LED loads. LED lamp performance can vary widely depending on manufacturer, model and quality of the lamp and/or its internal power supply. It is recommended that a live test of a LED lamp type is performed prior to volume purchase to assure the low end dimming performance is suitable for application. Lamp types should not be mixed on the same dimmer circuit. JSI will not assume any responsibility for poor low end lamp performance associated with some lower cost/quality products.*

**JOHNSON SYSTEMS • 2021**



**JOHNSON SYSTEMS INC.**

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