

Prop and Scenery Lights, LLC  
[www.propscenerylights.com](http://www.propscenerylights.com)  
**Product Specification Sheet**  
**(Flicker Effects Control, LED Flame Simulation)**  
**LED Lighting Control P/N: FEC1**



Actual part may vary from image.

**Electrical Characteristics**

- 1) Input voltage 5.0 - 24 volts DC LED Lighting Systems, 1.5 amp Max. at 5-12 volts and 0.75 amp Max. at 24 volts.
- 2) Output rating: 18 watts Max. The FEC1 controls (switches) the negative (-V) power, the positive (+V) passes through the unit. Idle current when off 2-3ma typ.
- 3) Operation usage temperature range, within -4°F to +140°F
- 4) Control Button functions:
  - **The Light button** is used to set the control to static dimming mode while in any dynamic mode, pressing the mode; button starts the dynamic mode again.
  - **The Speed (On/Off) button** provides ten speed levels for dynamic modes. In the static dimming mode this button provides dimming in 12 steps, 10% - 95%. This button is also used to turn the unit off when it is held longer than 3 seconds Ref.
  - **The Mode button** provides six dynamic effects, and the Static dimming mode.

Mode #	Average Light Level	Flicker Trough – Depth Max.	Ref. Application
1 flicker med - low	68.5%	60%	candle / lantern
2 flicker med - hi	60.0%	70%	candle / lantern
3 flicker - low	82.5%	50%	candle / lantern
4 flicker - hi	62.0%	80%	fire / ember (*)
5 surge fade - med	75.5%	80%	fire / ember (*)
6 surge fade – hi	62.0%	90%	fire / ember (*)
7 static dimming	0% to 100%	N/A	dimming

**Mechanical Characteristics and Notes:**

- 1) The body measures a nominal 1.4" length, 0.6" wide and 0.2" thickness. The overall end to end length of the entire body and cable assembly is 13.0" Ref. The body cover color of the FEC1 is red, cables are black.
- 2) Power connection is via DC barrel connectors 2.1mm X 5.5mm, with 5.5" cable length. Input = Jack output = Plug.
- 3) Module body and cables are black in color. For installation in moisture protected environment. Rohs, PB-Lead free
- 4) The control retains the last settings when power to the unit is cycled On and Off.

**Connector style**

Jack 2.1mm X 5.5mm

Plug 2.1mm X 5.5mm

