LM431 – 3 Channel Simulated Flame Module
SimFlame Lamp Flicker Module
visit – www.simflame.com for additional information

Model: LM431

Features:

- Non-repeating flame effect.
- 3 independent lamp output channels.
- 8 Flame effect settings.
- Selectable operation – Normal, By-pass or Stealth.
- Seed starting number easily changed.
- Can be safely handled while operating.
- Low power consumption.
- Operates on 100 – 130 VAC @ 60 cycles.
- Fireproof epoxy encased.
- 1 Year warranty.

Wiring Diagram
Switch Settings:

Switch #1 – depth of flicker:  
  a) down = subtle  
  b) up = deep

Switch #2 – speed of flicker:  
  a) down = slow  
  b) up = fast

Switch #3 – average intensity:  
  a) down = dim  
  b) up = bright

Switch #4 – channel operation:  
  a) down = independent  
  b) up = same

Option Switches:

<table>
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<th>Operation</th>
<th>Switch #5</th>
<th>Switch #6</th>
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</thead>
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<tr>
<td>Normal</td>
<td>down</td>
<td>down</td>
</tr>
<tr>
<td>By-Pass</td>
<td>up</td>
<td>down</td>
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<tr>
<td>Stealth</td>
<td>down</td>
<td>up</td>
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<tr>
<td>Seed change</td>
<td>up</td>
<td>up</td>
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Operation Description:

Normal mode – lamps will always flicker when powered.

By-Pass mode – lamps flicker normal when first powered, briefly interrupt power to bring lamps to full brightness.

Stealth mode – lamps are at full brightness when first powered, briefly interrupt power to flicker lamps.

The module must remain unpowered for 5 or more seconds to reset all operation conditions. Switches 5 and 6 are only read when module is first powered.

Seed Number Change:

To change the seed numbers – switches 5 and 6 must be up (or on), power the module normally, after operating the module for a short time, briefly interrupt the power, the lamps will cycle on then off one at a time indicating the process was successful then return to normal flicker, power module off then set switches 5 and 6 to desired settings.
Fuse Replacement:

If your module has the optional fuse holder, turn power off, fuse holder screws apart and uses a 1.0 amp 5x20mm fuse.

Disclaimer and Warranty

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