

## 6 Channel Lighting Flicker Board



The flicker effect on each channel is randomly controlled so that no two channels flicker the same this gives a realistic candle flame or fire effects.



Power the unit with a suitable 12V DC supply 2.5A min rating. 12V can be input at either power connector. Wire lights to the Cage clamp connectors, turn screw anti-clockwise to fully open and clockwise to clamp onto your wiring. Each light has two wires, one is used to supply 12V to the lights' bulb, whilst the second wire is switched by the board's channel. The 12V light supply and channel terminals are marked on the board. **Power off when wiring, CARE MUST BE TAKEN NOT TO SHORT OUT ANY CHANNELS.**

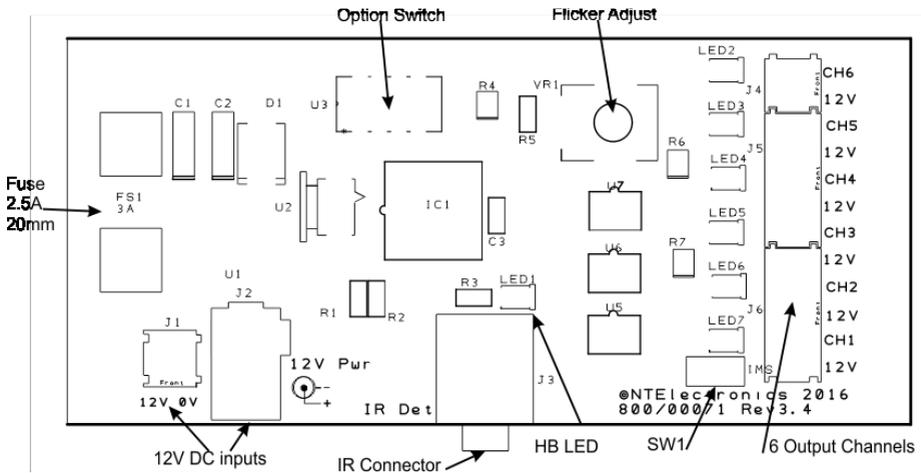
The unit can control up to 36 - 60 mA lights (or 72 - 30mA) the maximum load per channel is 6 @ 60mA (12 @ 30mA). The speed of flickering for all channels can be changed using a combination of the Option switch and Flicker adjuster. The flicker rate for channels 1-3 and 4-6 can be set independently so you can mix effects for candle lights and fires. The unit stores the last flicker rate when power is removed.

The circuits are short circuit and overload protected. **Warning: - Short circuits in your external wiring will cause board heating and should be remedied as soon as possible.**

An additional IR Remote control allows each channel to be switched on, or off, individually, this option must be ordered separately.

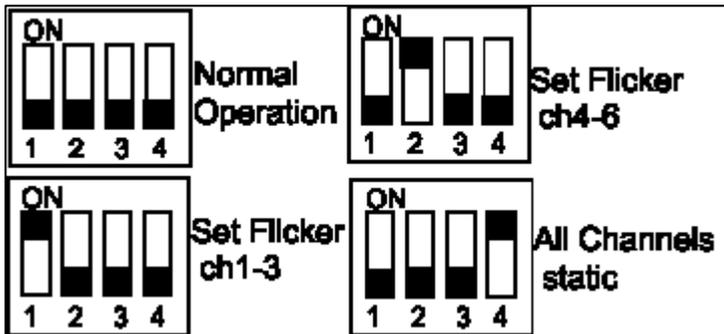
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## Adjustments using the Option Switch

Use the Flicker Adjuster to change the rate, to store the rate return the switch to its normal position.



Position 3 allows all channels to be controlled by the adjuster, the flicker rate is not stored and is set for all channels by the Flicker Adjuster.

SW1 is used to switch off all channel indicators so the back of Dolls house is dark.

HB LED runs for approx. 30secs after power is applied to show that the unit is working.