

PLEASE NOTE!

Due to their complexity, the Geyser RGB and similar fog machines are much more difficult to control with a PicoBoo or other relay-based controller than more straight-forward fog machines. We highly recommend the use of [a PicoDMX to control DMX devices such as this.](#)



This procedure shows you how to hack into the [Chauvet Geyser RGB fog machine's](#) remote so that it can be activated from a controller or relay. You will need a standard 1N4001 – 1N4004 diode. [We have them here.](#)

NOTE: This procedure requires hacking into the Chauvet Geyser fog machine remote base station and will void your warranty.



Locate the FC-W remote base station



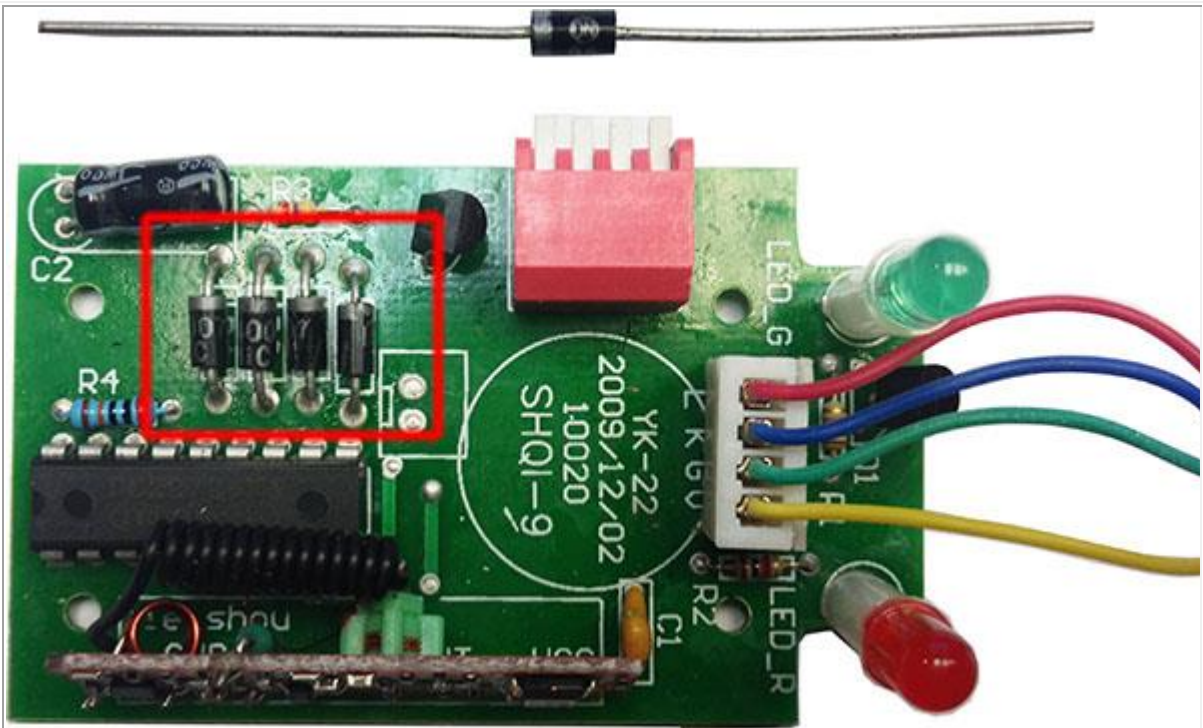
Remove the four screws that hold it together



Remove the circuit board from the enclosure

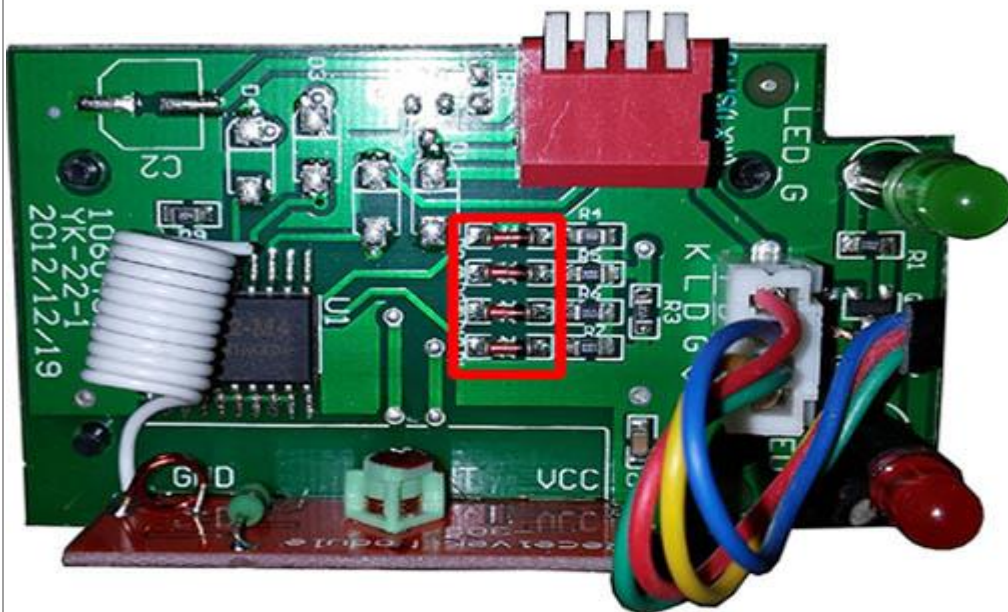
Circuit Boards with Large Black Diodes:

Locate the four diodes shown here in red box. Notice that the diodes have a white stripe on one end.

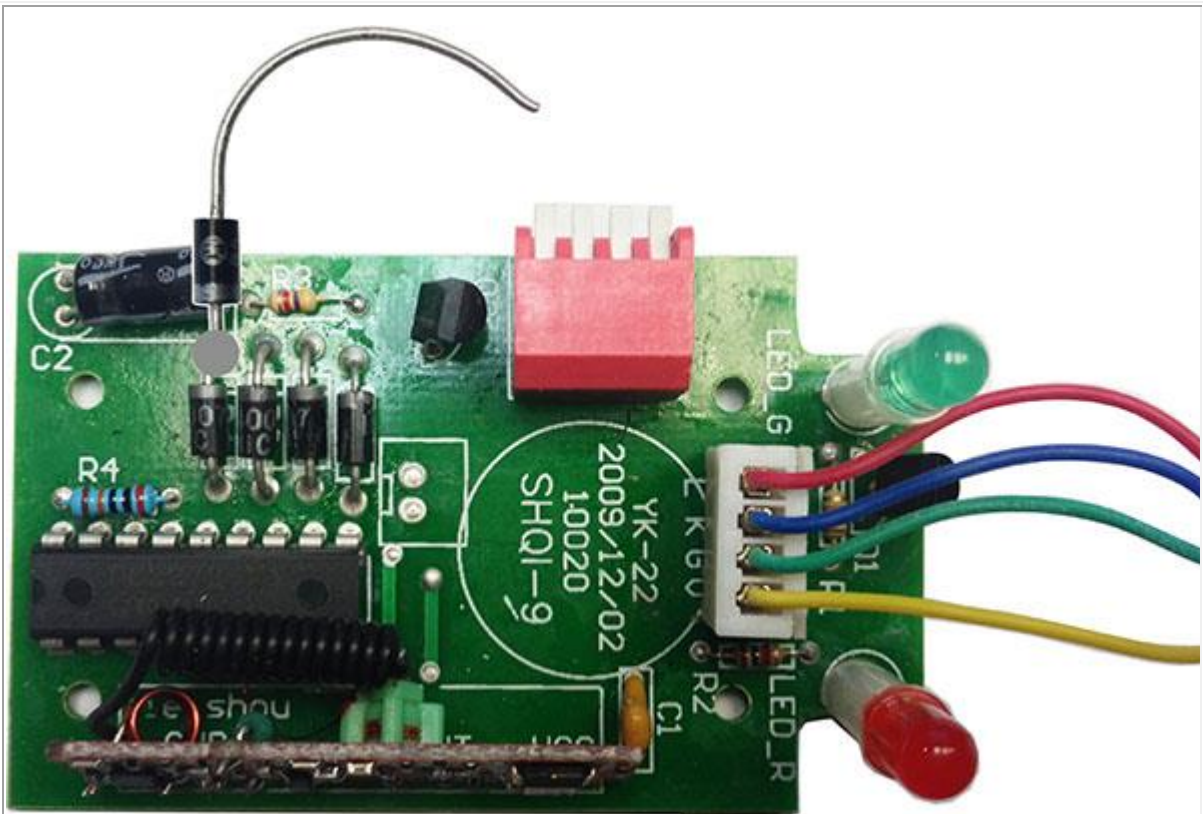


Circuit Boards with Small Red Diodes:

Some revisions have surface mount diodes as shown in this picture. Locate the four diodes shown here in red box. Notice that the diodes are red and have a black stripe on one end.

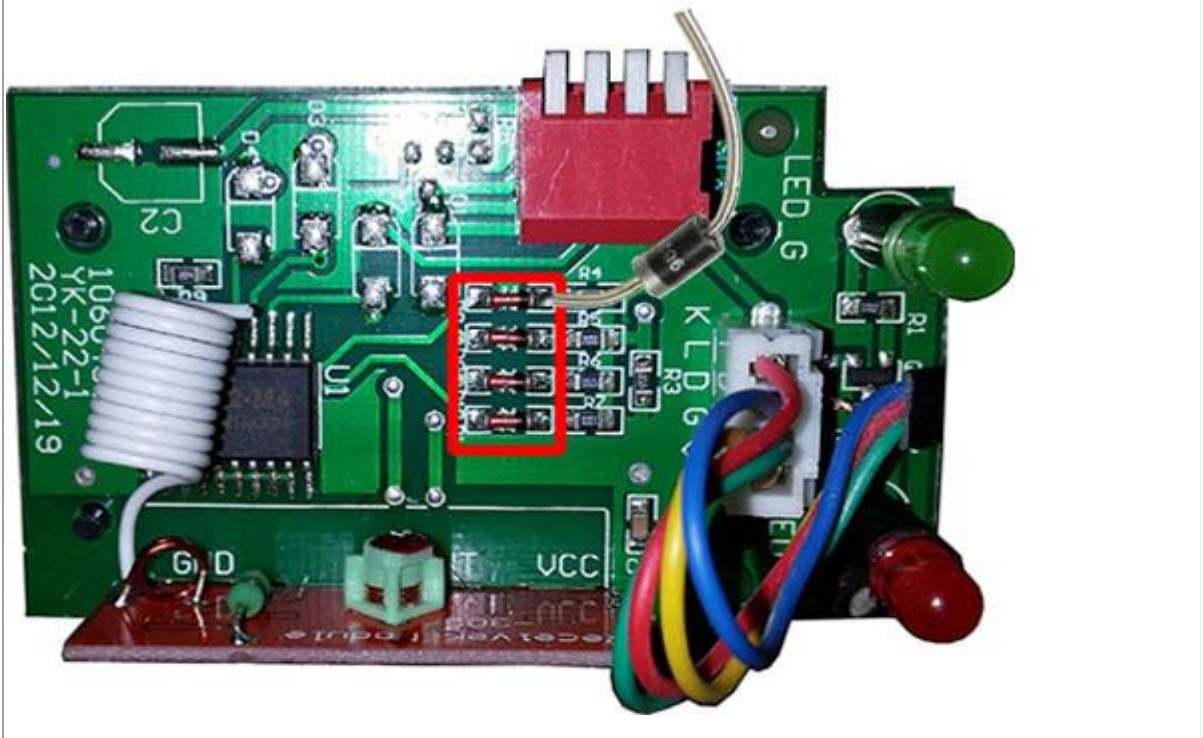


Circuit Boards with Large Black Diodes:



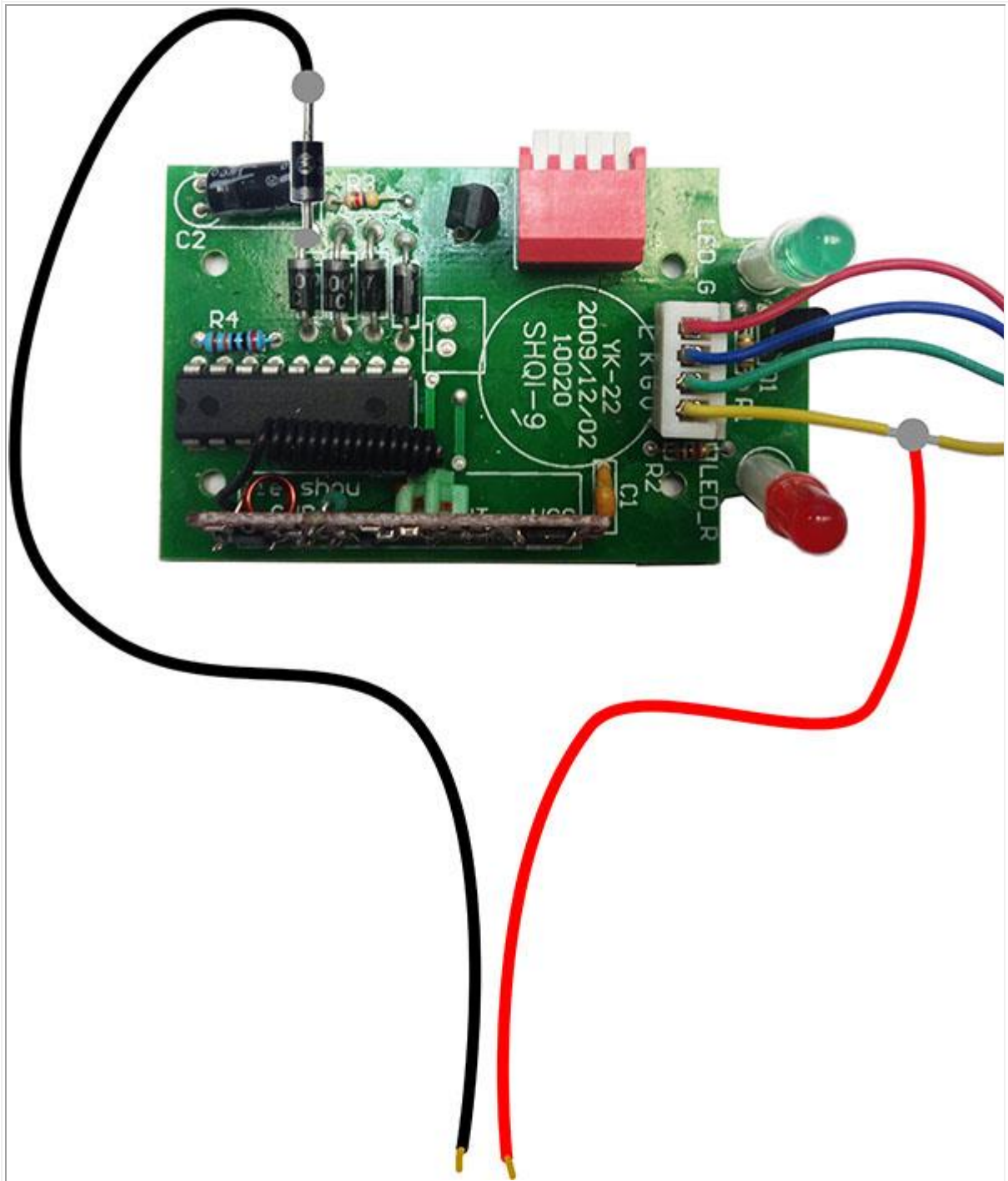
Solder a diode ([1N4001 – 1N4004](#)) onto one of the existing four as shown. It is very important that the white stripes on the diodes are facing each other. Each of the four correspond to one of the four buttons on the remote key fob. You can add more diodes to the other locations if you want to control each channel.

Circuit Boards with Small Red Diodes:



Solder a diode ([1N4001 – 1N4004](#)) onto one of the existing four as shown. It is very important that the black stripes on the circuit board diodes are facing the white stripes on the added diode. Each of the four correspond to one of the four buttons on the remote key fob. You can add more diodes to the other locations if you want to control each channel.

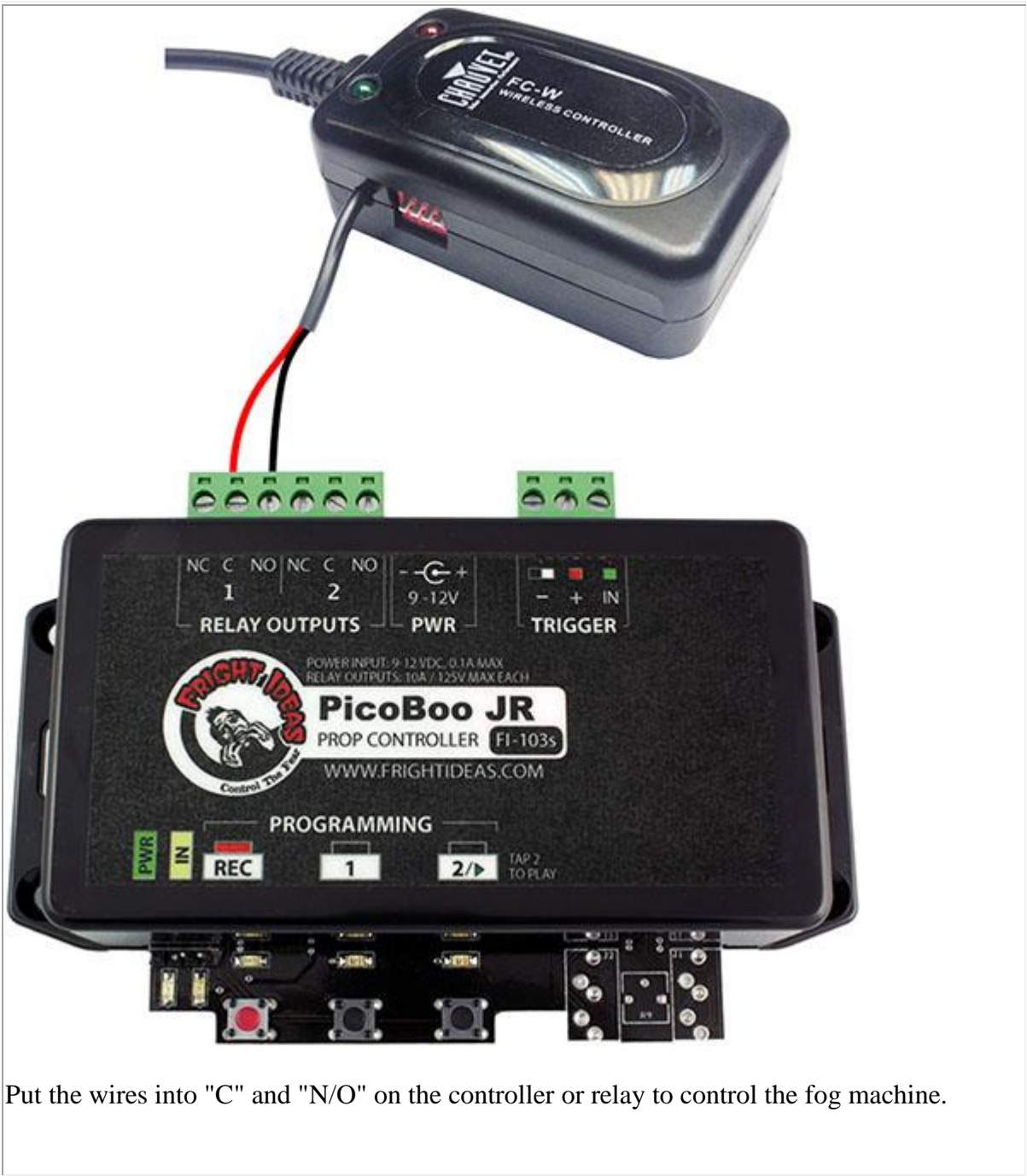
UPDATE: We are finding that with the latest revisions of the Circuit Boards with Small Red Diodes the first position does not work. So solder into one of the other three and not the one shown in the diagram!



Solder a wire to the other end of the diode. Cut into the yellow wire and solder a wire to it. Use shrink tube or electrical tape to cover all exposed solder points.



You can drill a small hole in the side of the enclosure to feed the wires out through as shown. Tie the wires in a knot behind the hole inside of the enclosure so that they cannot be ripped out. When the two wires are touched together the fog machine will activate.



Put the wires into "C" and "N/O" on the controller or relay to control the fog machine.