



When the input from the Mercedes goes above 2 volts that is connected to the + pin on the comparator, the output pin 7 flips to +14 volts with the 510 ohm pull up resistor. When the comparator output goes to +14, it drives the transistor base. The transistor 2N2222 has the collector tied to the +14 volt source. Then the emitter pulls up as a voltage follower. Then the relay K1 will close to send +14 volts to pin 5 on the Auto Cool controller.

You can adjust the 500 ohm pot to set the 2 volt DC at pin 3 or the - input of the LM311 comparator. The two diodes on the input protects the + input of the LM311 comparator. The 1K resistor and the 100 uF capacitor on the input will filter noise found on the input from the VAR INPUT,