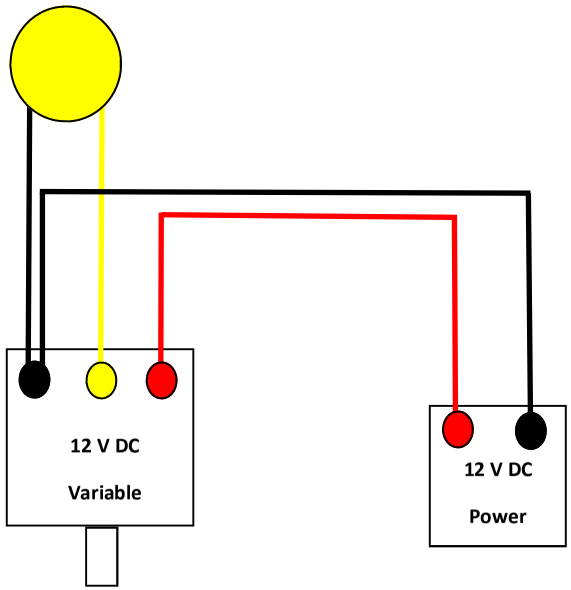
Infrared Sensor and simple automobile flasher hook ups

There are three separate operations in this file.

First is a simple automotive flasher hookup to make a light flash.

Second is a simple hookup using the automotive flasher with a relay to alternate lights flashing.

Third is hooking up an Infra Red detector with a timer to operate using the Automotive flasher to cause 2 lights to alternate flashing for a specific amount of time.

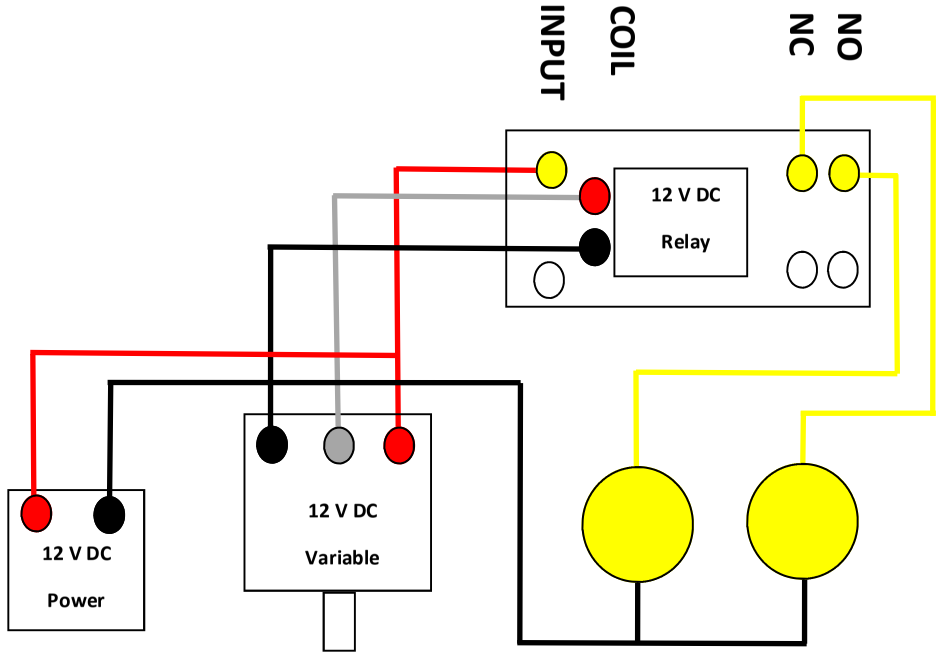


Simple wiring of variable flasher.

They are designed to make one item flash on and off

Positive wire from Power goes to flasher only. The Negative goes to the flasher and the negative side of the light.

From Flasher the center output goes to



Simple wiring of variable flasher to relay to alternate lights flashing.

Positive wire from Power goes to flasher and to the input side of the relay for the lights. The Negative goes to the flasher and the negative post for the Relay then to the negative side of the light.

From Flasher the center output goes to the positive post of the relay coil.

Normally Closed post on output side of Relay goes to the center or positive of one light.

5 V DC Infra Red Detector and 5 V Relay to activate a timer controlled item.

You need a 5 Volt Power Supply

Hook the Positive wire (Purple) to both the positive side of the 5 V Relay and the positive side of the infra red detector.

Hook the Negative wire (Black) to both the negative side of the 5 V Relay and the negative side of the infra red detector.

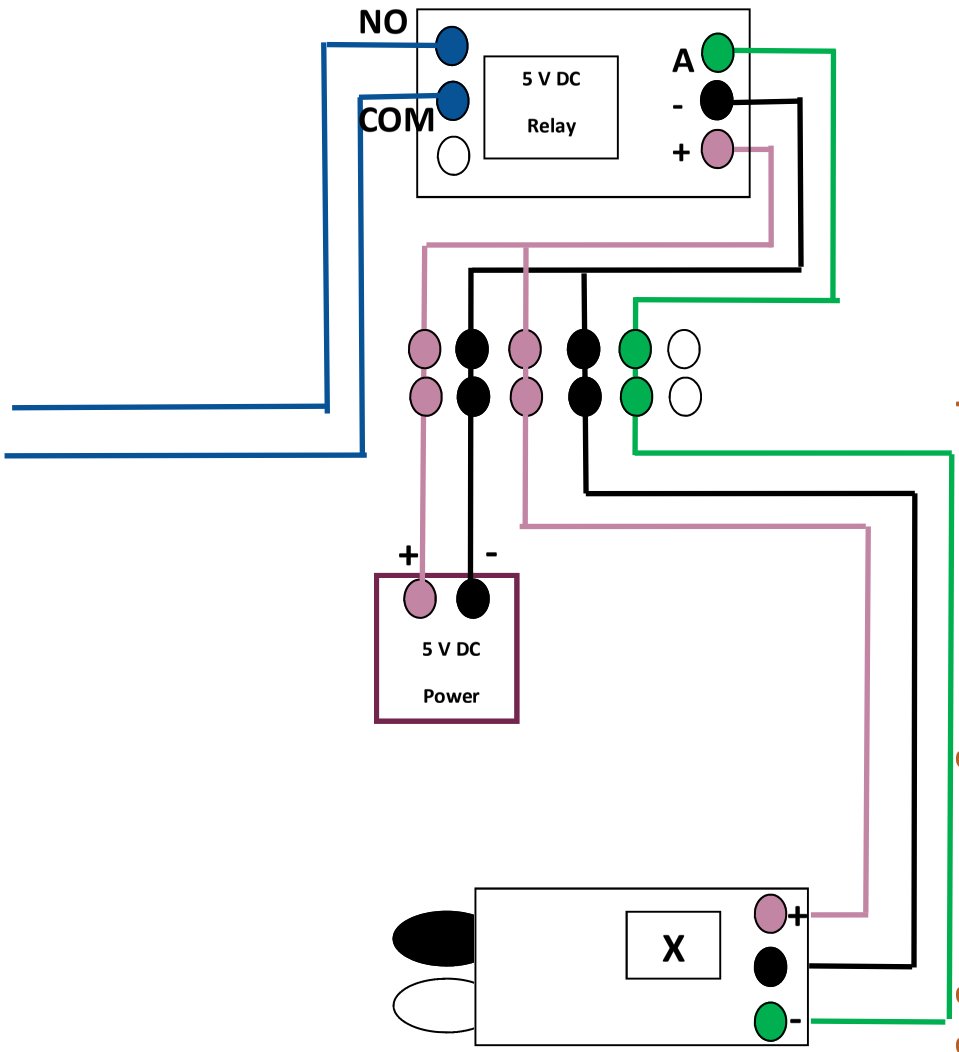
Now take the Green wire and attach it to 5 V Relay and the Infra Red Detector as Shown.

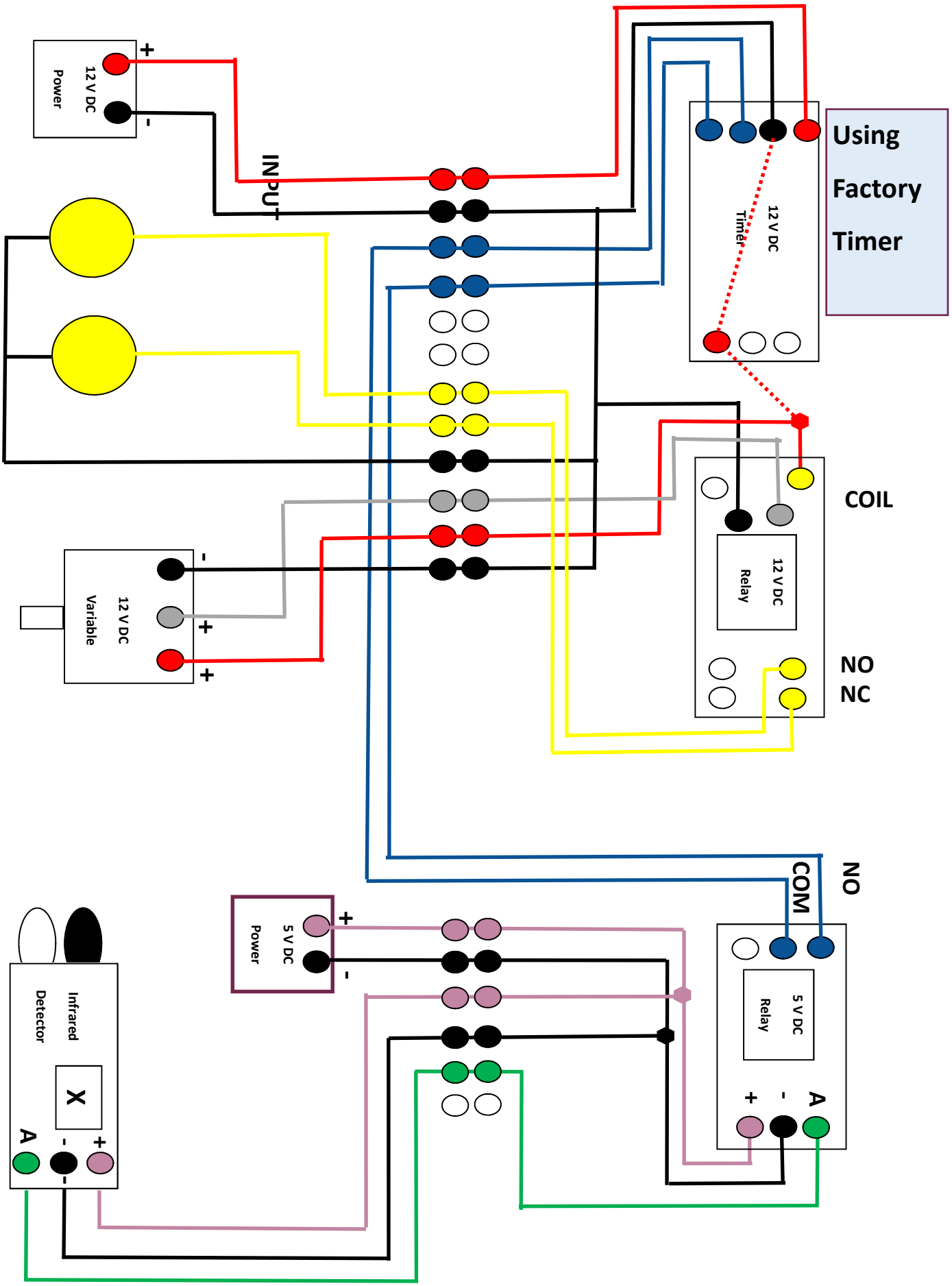
That is all it takes to get it operational

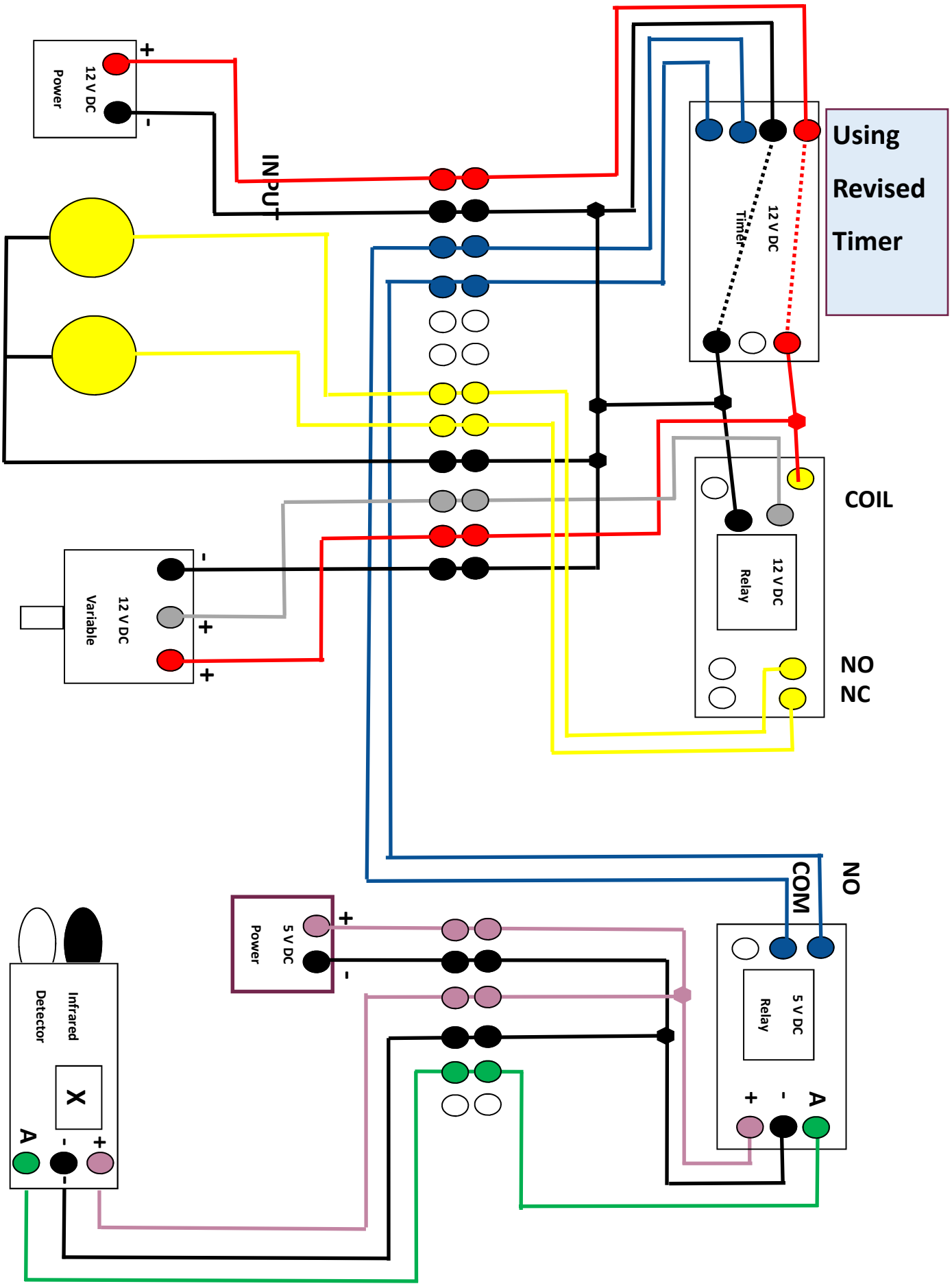
Now there are 2 wires left to hook up.

They go the center and the Normally open side of the 5 V relay and are then run the activation connection of the timer control. Both wires are blue in this diagram.

When you run your finger in front of the infrared




12 V DC
Power
+
-
INPUT
12 V DC
Timer
Using
Factory
Timer
COIL
12 V DC
Relay
NO
NC
12 V DC
Variable
-
+
+
NO
COM
5 V DC
Power
+
-
5 V DC
Relay
+
-
A
Infrared
Detector
X
A
-
+
-


12 V DC
Power
+
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INPUT
12 V DC
Timer
Using
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Timer
COIL
12 V DC
Relay
NO
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12 V DC
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NO
COM
5 V DC
Power
+
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5 V DC
Relay
+
-
A
Infrared
Detector
X
A
-
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