

TROUBLESHOOTING

The RGB LED colors aren't working or a color is missing

Check the connection for the wire and resistor connected to each leg of the LED. Ensure the RGB LED is inserted in the correct orientation.

The distance sensor doesn't seem to work

Open up the Serial Monitor on your computer. You should see a stream of distances being printed in the monitor. If they are all reading 0 or jumping around, then check the wiring on your sensor.

The distance sensor still doesn't work

Ultrasonic noise pollution will interfere with your distance sensor readings. If you aim two distance sensors at each other, they will confuse each other. Some air-conditioning systems may also emit noises in the ultrasonic range. Try pointing your sensor away from the other distance sensors or changing to a different location.

You've completed Circuit 3B!

Continue to circuit 3C to explore building mechanisms that interact with your circuits.

SERVO MOTORS

DISTANCE SENSOR

MOTION ALARM

