

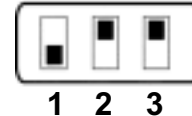
Wafer Mapping Sensor Quick Start Guide

This quick start procedure is to be used to check for proper wiring and operation. This is the most common setup and wiring for CyberOptics Semiconductor wafer mapping sensors.

This is only a typical setup. If the sensor is being used as a replacement sensor on a piece of equipment, refer to the manual for that piece of original equipment and use the wiring and switch positions recommended for the sensor.

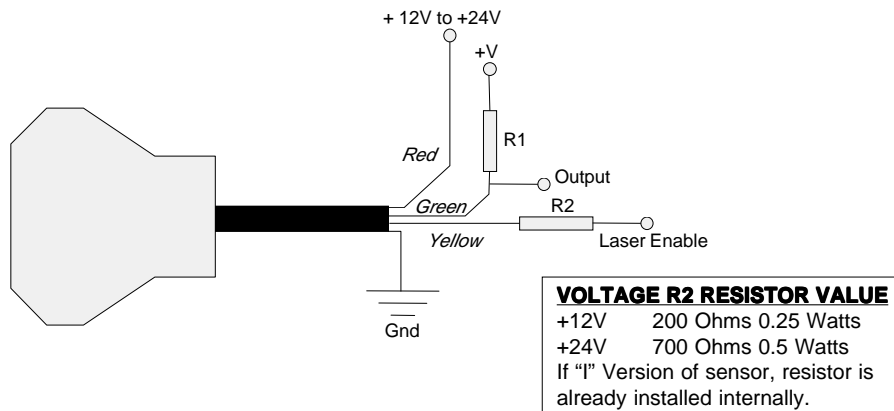
1) Set DIP switches on the side of the sensor to the following positions.

- 1) Gain set to high
- 2) Output signal polarity: Light ON
- 3) Remote Enable: OFF



2) Wiring Instructions

- A) Red wire +12V to +24V
- B) Black wire to Ground
- C) Green wire is the output, Open collector, NPN. Connect Green wire through pull-up resistor R1 (10K, typical) to +V. R1 should limit current to 80mA max.
- D) Yellow wire is not required if Remote Enable Switch (see figure 2) is set to OFF. If Remote Enable is set to ON then see the chart below for R2 values.



CAUTION: DO NOT CONNECT THE GREEN WIRE DIRECTLY TO POWER WITHOUT A PULL-UP RESISTOR!

CAUTION: DO NOT CONNECT OR DISCONNECT GREEN WIRE WITH POWER APPLIED.

3) Apply power to the sensor.

Response:

- Red LED Illuminates
- Wave hand in front of sensor and the Green LED will illuminate.

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