WILTRONICS

ARD 2 **Arduino Compatibles**
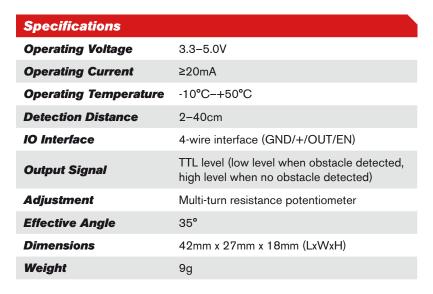*Controllers, Shields, Modules & Sensors*

IR Obstacle Avoidance Module   *ARD2-2232*

▪ **Sense and avoid obstacles using infrared light**
▪ **Perfect for robotics projects**

Description

This Arduino-compatible infrared sensor is perfect for allowing robots to avoid obstacles. The sensor is comprised of an infrared transmitter/receiver pair emitting a certain IR frequency to detect obstacles with high precision. The detection range can be set between 2–40cm by adjusting the potentiometers.

Specifications

Operating Voltage	3.3–5.0V
Operating Current	≥20mA
Operating Temperature	-10°C–+50°C
Detection Distance	2–40cm
IO Interface	4-wire interface (GND/+/OUT/EN)
Output Signal	TTL level (low level when obstacle detected, high level when no obstacle detected)
Adjustment	Multi-turn resistance potentiometer
Effective Angle	35°
Dimensions	42mm x 27mm x 18mm (LxWxH)
Weight	9g

Pinout

Module	Arduino	Function
GND	GND	Ground Connection
+	SV	Power
OUT	D3	Active low input
EN	N/C	Enable