

Infrared Sensor E18-D80NK



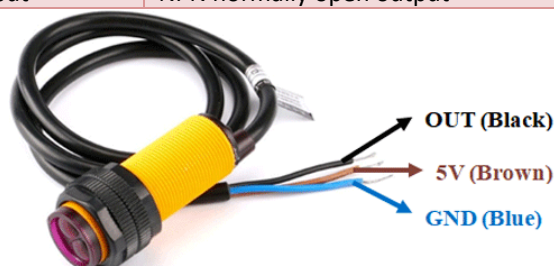
Features:

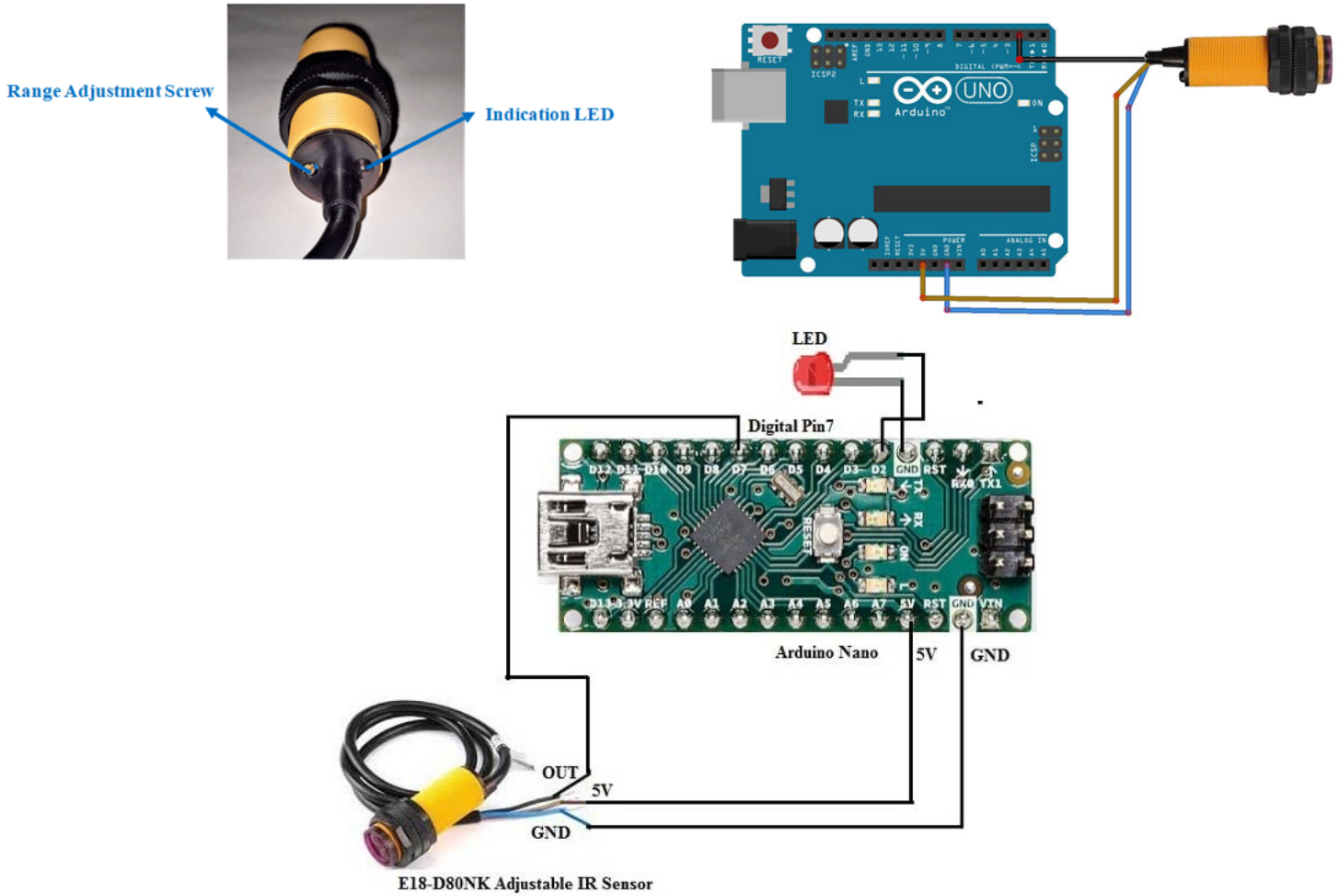
The E18-D80NK is an infrared photoelectric switch that detects objects using an NPN normally open output configuration. Its sensing distance can be adjusted between 3 and 80 cm, providing high precision detection for both transparent and opaque objects. The sensor's fast response time (<2 ms) and low current consumption (<25 mA) make it suitable for real-time automation and control systems. The robust plastic housing ensures durability, while the compact 17 mm diameter design allows easy integration into machinery, robotics, and electronic projects.

Specifications	
Model	E18-D80NK
Sensing Method	Infrared Photoelectric (NPN NO)
Supply Voltage	5 V DC
Output Current	Max 100 mA
Current Consumption	< 25 mA
Response Time	< 2 ms
Detection Distance	3–80 cm (adjustable)
Detection Angle	≤ 15°
Detectable Objects	Transparent and Opaque
Operating Temperature	–25 °C to +55 °C
Case Material	Plastic
Sensor Diameter	17 mm
Sensor Length	45 mm
Lead Length	45 cm
Usage	Object detection, automation, robotics, Arduino projects

Pinouts:

Pin Name	Type	Description
Brown	Input	5V Power Supply
Blue	Ground	GND
Black	Output	NPN normally open output





Product Pictures:

