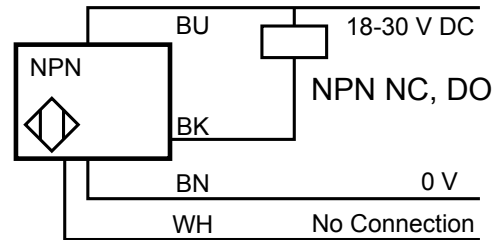
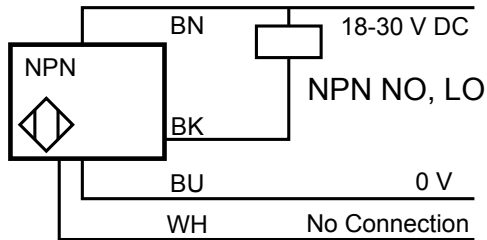
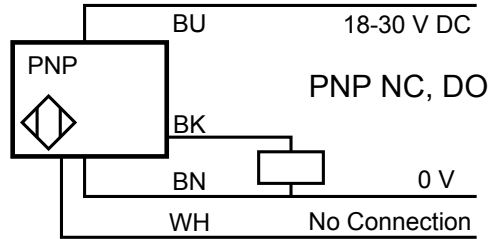
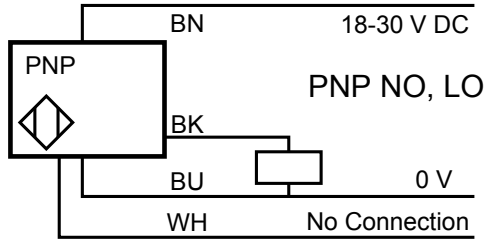
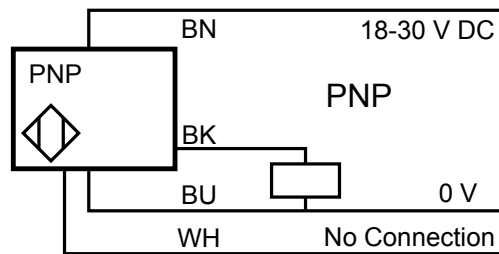
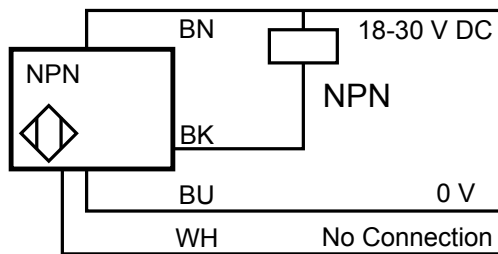


Wiring

Bimodal Output Wiring Diagrams

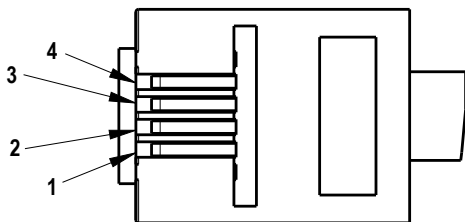


Fixed NPN and PNP Output Wiring Diagrams: Light and Dark Operate by Model Number



RJ-11 Pinout

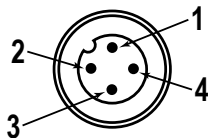
RJ-11 Key



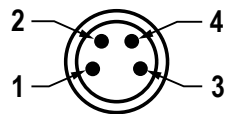
1. Brown
2. Black
3. White
4. Blue

M12 Pinout

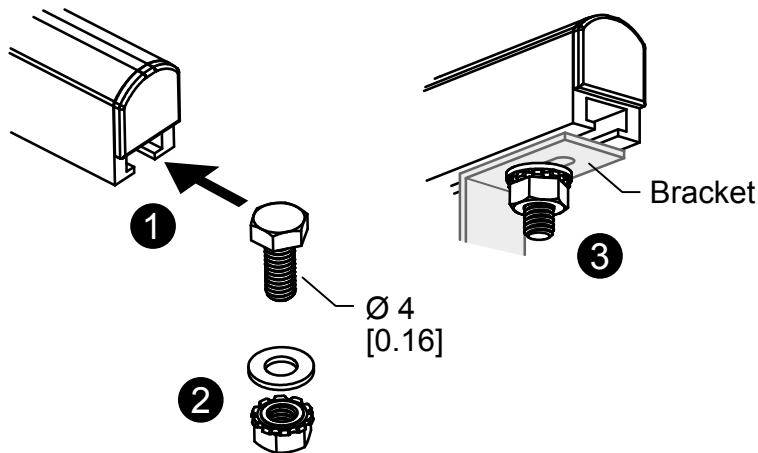
M12 Key



1. Brown
2. White
3. Blue
4. Black

M8 Pinout**M8 Key**

1. Brown
2. White
3. Blue
4. Black

T-Slot Installation**Specifications****Supply Voltage**

18 V DC to 30 V DC (24 V nominal with 10% maximum ripple)
Use only with a suitable Class 2 power supply (UL) or SELV power supply (CE)

Supply Current

45 mA

Supply Protection Circuitry

Protected against reverse polarity and transient voltages

Wavelength

Infrared LED, 940 nm

Output Response

1 ms on/off

Output Configuration

Rating: 100 mA max output at 25 °C
Output Voltage High: Greater than $V_{supply} - 2.5$ V
Output Voltage Low: Less than 2.5 V
For loads less than 1 Meg Ohm
Protected against false pulse on power-up and continuous overload or short-circuit of output

Indicators

Amber on: Light sensed

Sensing Mode

Diffuse, Infrared, 940 nm

Range

0 to ≥ 120 mm on 90% white card
0 to ≥ 50 mm on 18% gray card
 ≤ 3 to ≥ 30 mm on 6% black card

Operating Conditions

-10 °C to +55 °C (+14 °F to +131 °F)

Environmental Rating

IEC IP50

Vibration and Mechanical Shock

All models meet IEC 60068-2-6, IEC 60947-5-2, UL491 Section 40, MIL-STD-202F, Method 201A (Vibration: 10 Hz to 60 Hz, 0.5 mm peak-to-peak)
Shock: 30G 11 ms duration, half sine wave per IEC 60068-2-27

Certifications