

# PZ-M61

Square retro-reflective Cable Type, NPN

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

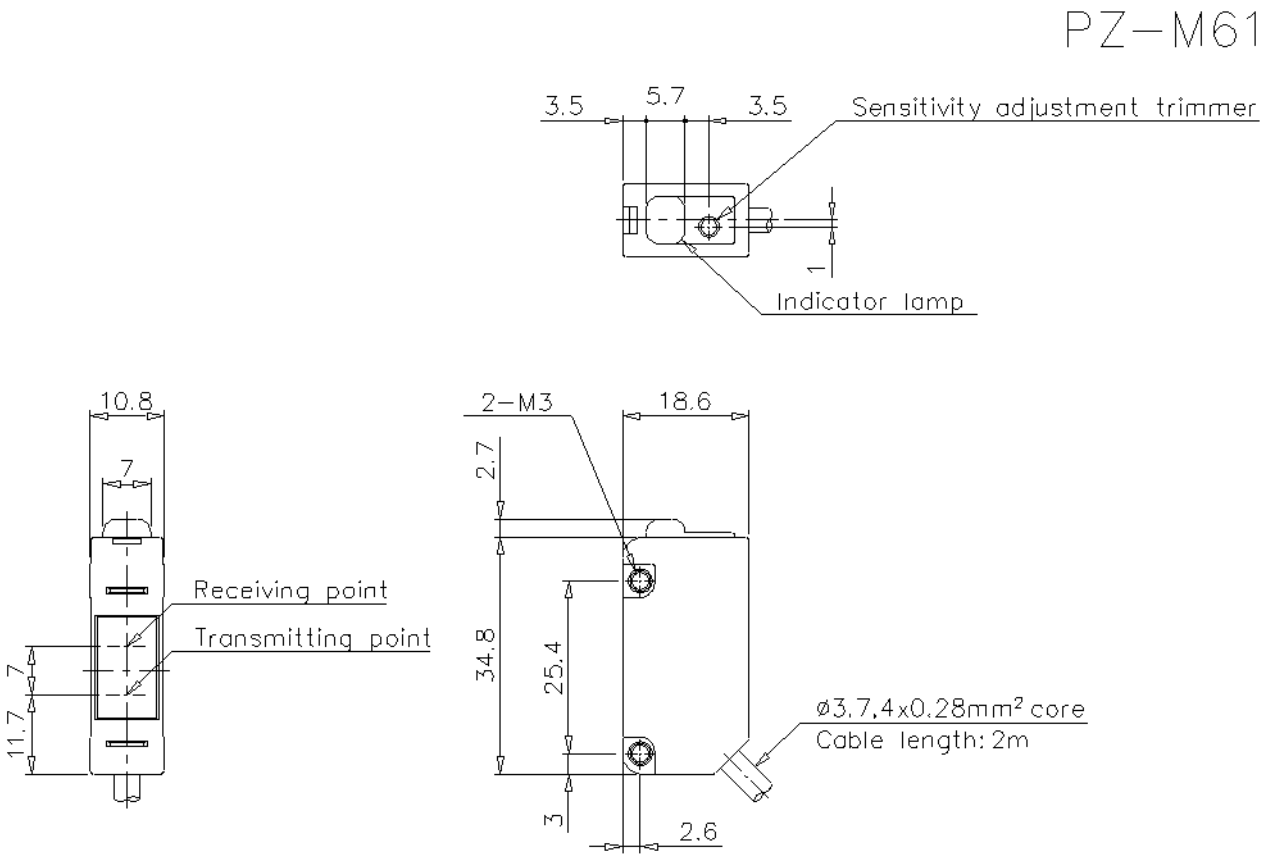
## Specifications

| | | |
|---|---|---|
| Model | | PZ-M61 |
| Type | | Polarized retro-reflective. |
| Output | | NPN |
| Detecting distance | | 0.1 to 1.5 m 0.3' to 4.9' (When R-5 reflector is used)*1 |
| Setting distance | | — |
| Light source. | | Red LED |
| Sensitivity adjustment | | 1-turn trimmer (230°) |
| Response time | | 2 ms max. |
| Operation mode | | LIGHT-ON/DARK-ON (switch-selectable) |
| Indicator lamp | | Output: orange LED, stable operation: green LED |
| Control output | | 100 mA (24 V) max., Residual voltage: 1 V max. |
| Digital monitor | | — |
| Protection circuit | | Reversed polarity, overcurrent protection, surge absorber |
| Rating | Power voltage | 12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less |
| | Power consumption | 34 mA max. |
| Environmental resistance | Enclosure rating | IP67 |
| | Ambient light | Incandescent lamp: 5,000 lux max., Sunlight: 20,000 lux max. |
| | Ambient temperature | -20 to +55 °C -4 to 131 °F (No freezing) |
| | Relative humidity | 35 to 85 % RH (No condensation) |
| | Vibration resistance | 10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions |
| | Shock resistance | 1,000 m/s², 6 times in each of the X, Y, and Z directions |
| Case material | | Glass-fiber reinforced plastic |
| Accessories | | Reflector R-5 |
| Weight | | Approx. 55 g (including 2-m 6.6' cable) |

*1 The detecting distance is obtained with the maximum sensitivity.

# Dimensions

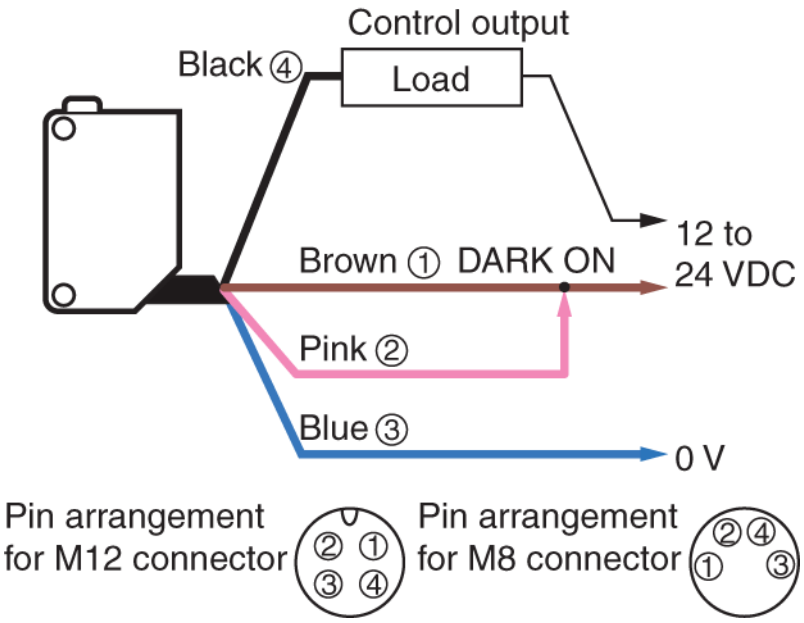
* Download CAD file or product manual for larger image/text and more detail.



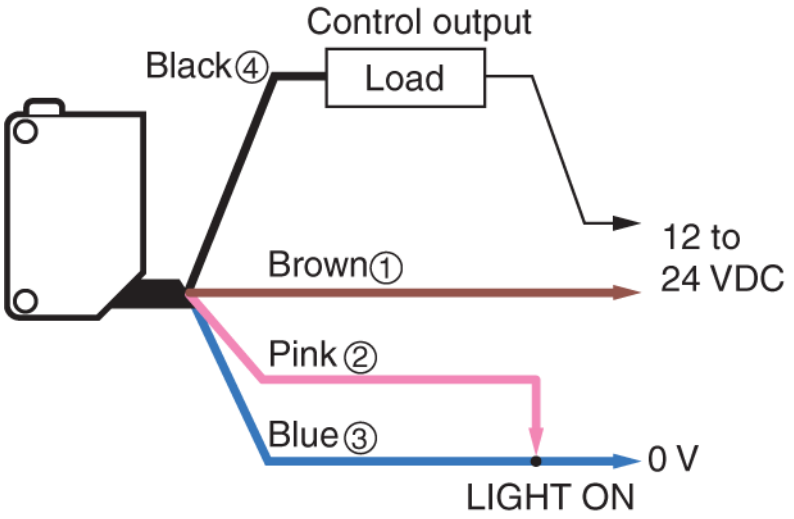
# I/O Circuit Connection diagram

* Download CAD file or product manual for larger image/text and more detail.

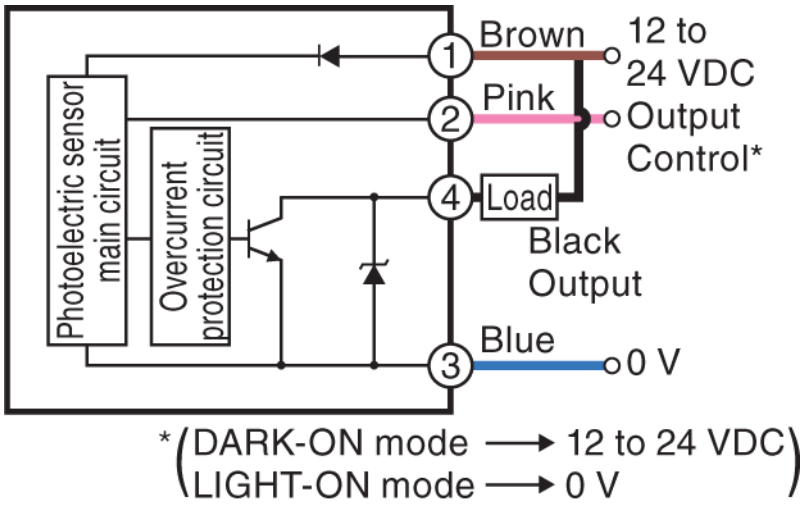
## 1.DARK-ON mode




## 2.LIGHT-ON mode




Be sure to connect the pink cable (output control) to the 12 to 24 VDC or 0 V terminal.




# Characteristic

* Download CAD file or product manual for larger image/text and more detail.

For all sensors apart from thrubeam types (PZ-M5x), using a sensor with a different frequency can
prevent interference.

