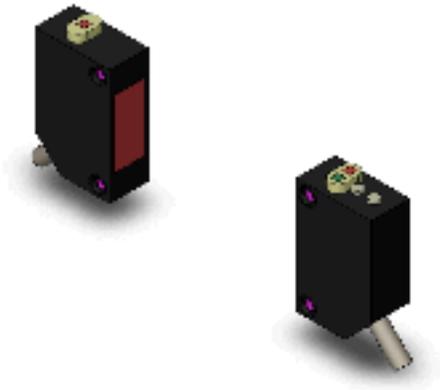


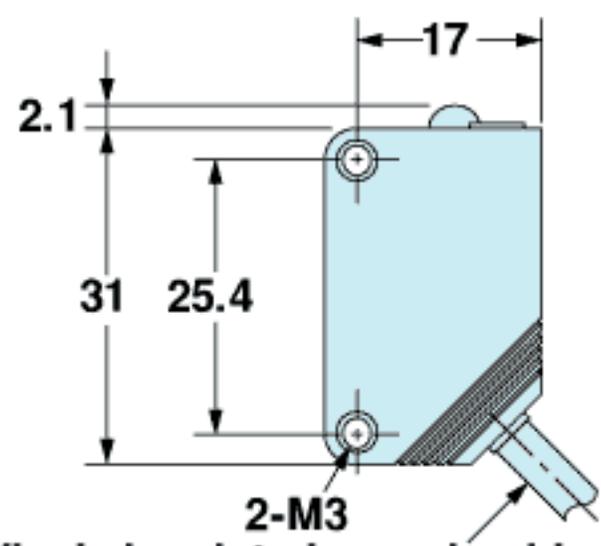
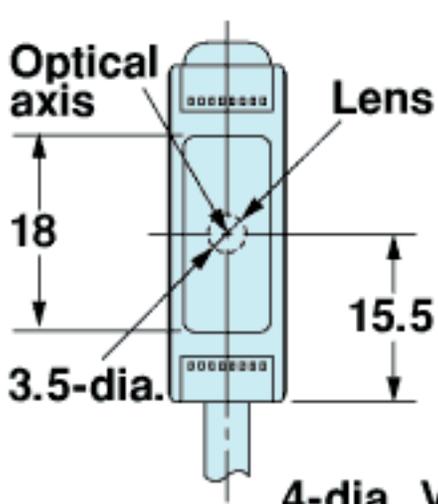
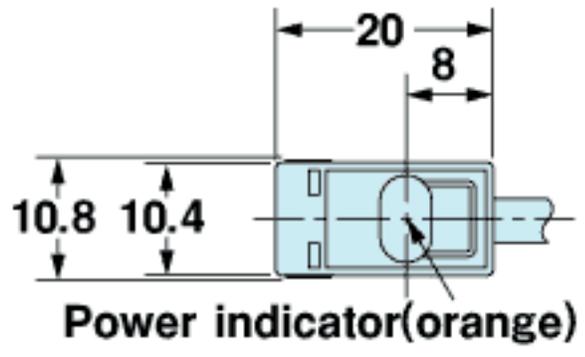
E3Z-LT61 2M



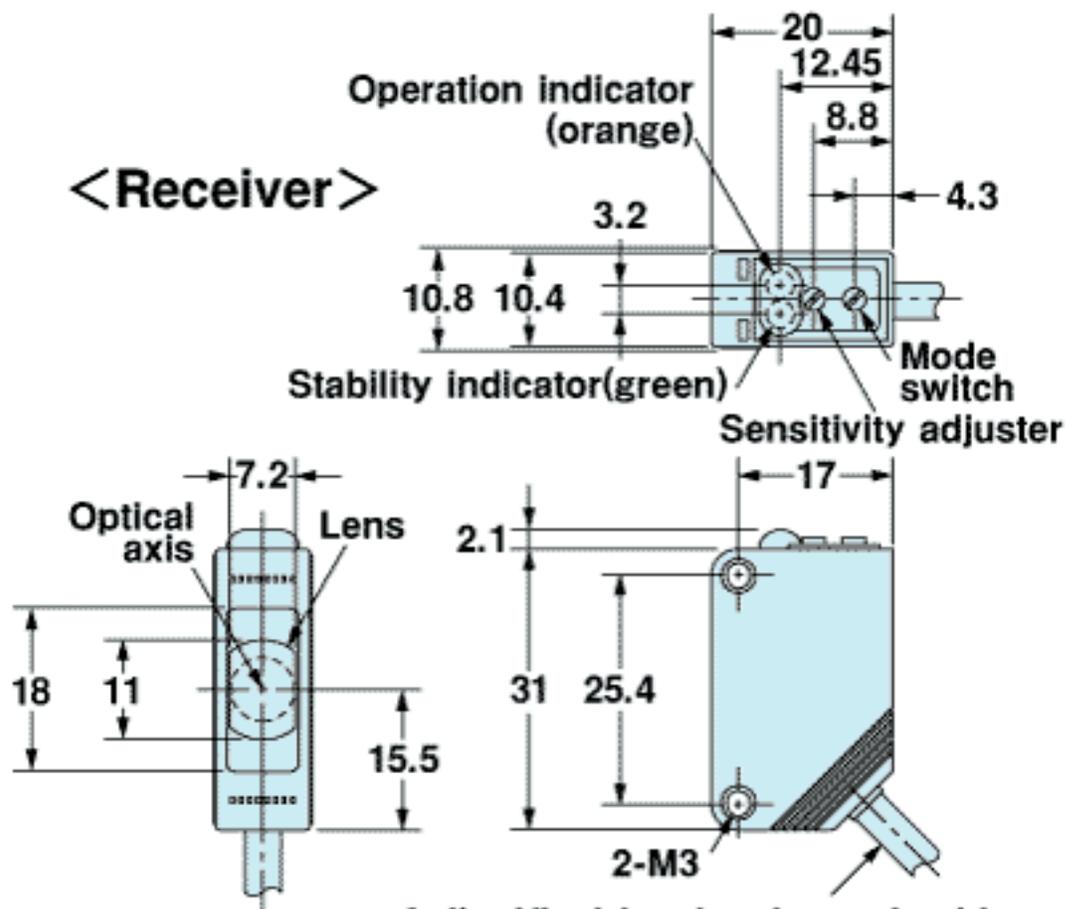
| | |
|--------------------------------|---|
| Sensing method | Through-beam |
| Sensing distance | 0 m to 60 m |
| Spot size | 5mm dia. Max. (At sensing distance of 3m) |
| Standard sensing object | Opaque: 12 mm dia. Min. |

| | |
|---|--|
| Minimum sensing object | 6 mm dia. Min. (at sensing distance 3m) |
| Directional angle | Receiver:3 to 15 DEG |
| Light source | Semiconductor laser diode(red) (655nm) |
| Classification of laser | IEC: CLASS 1 FDA: CLASS 2 JIS: CLASS 1 |
| Power supply voltage | 12 to 24 VDC -10% to 10% (ripple(p-p) :10% Max.) |
| Current consumption | Emitter: 15mA DC Max., Receiver: 20mA DC Max. |
| Control output (Output type) | NPN open collector output |
| Control output (Load current) | 0 to 100 mA |
| Control output (Residual voltage) | (DC) 1 V Max. (Load current: Less than 10mA) (DC) 2 V Max. (Load current: 10 to 100 mA) |
| Operation mode | Light-ON/Dark-ON selectable |
| Load power supply voltage | 26.4 VDC Max. |
| Protective circuit | Surge suppressor Output short-cut protection Output reverse polarity protection Power supply reverse polarity protection |
| Response time | 1 ms Max. |
| Sensitivity setting | Single-turn adjustment |
| Ambient illuminance | Incandescent lamp:3000 lux Max., Sunlight:10000 lux Max. |
| Ambient temperature | Operating: -10 to 55 CEL Storage: -25 to 70 CEL (with no icing or condensation) |
| Ambient humidity | Operating: 35 to 85 %RH Storage: 35 to 95 %RH (with no condensation) |
| Insulation resistance | 20 M OHM Min. at 500 VDC between charged parts and the case |
| Dielectric strength | 1000 VAC at 50/60 Hz for 1 minute between charged parts and the case |
| Vibration resistance | 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions |
| Shock resistance | 500m/s ² for 3 times each in X, Y, and Z directions |
| Degree of protection | IEC60529: IP67 |
| Applicable standard (EC Directive (Low Voltage Directive)) | EN60947-5-2 |
| Applicable standard (EC Directive (EMC Directive)) | EMI: EN60947-5-2 Emission Enclosure: EN55011 Group 1 classA EMS: EN60947-5-2 Immunity ESD: IEC61000-4-2 Immunity RF-interference: IEC61000-4-3 Immunity Burst: IEC61000-4-4 CE marking: Equipped |
| Connection method | Pre-wired models (Cable length: 2 m) |
| Indicator | Operation indicator(orange), Stability indicator(green), Power indicator(orange) |
| Weight (packed state) | approx. 120 g |
| Tightening torque | 0.5 N.m Max. (with M3 screw) |
| Material (case) | PBT |
| Material (lens) | Denatured polyarylate |
| Accessories | Instruction manual |

<Emitter>



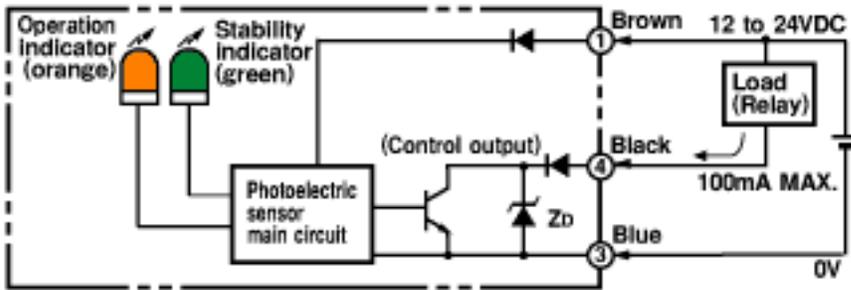
**4-dia. Vinyl -insulated round cable
with 2 conductors
(conductor cross section:0.2mm²,
insulator diameter: 1.1mm)
Standard length: 2m**



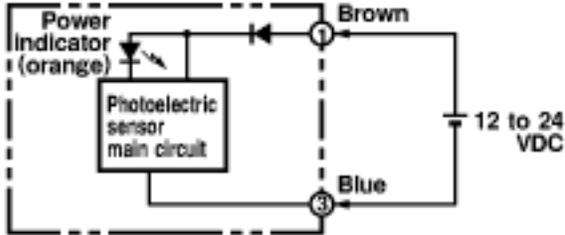
4-dia. Vinyl-insulated round cable with 3 conductors (conductor cross section: 0.2mm², insulator diameter: 1.1mm) Standard length: 2m

Caution: All units are in millimeters unless otherwise indicated.

<Receiver>



<Emitter>



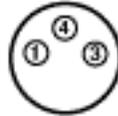
M12 Connector
Pin Arrangement



M8 Connector
Pin Arrangement



M8(3-pin) Connector
Pin Arrangement



Note. Receiver: Pin ② is not used.
Emitter: Pin ② and ④ are not used.

e-CON Connector Pin Arrangement

