

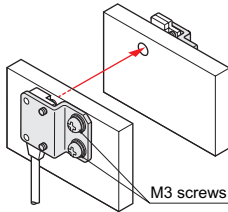
- FIBER SENSORS
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- PHOTOELECTRIC SENSORS
- MICRO PHOTOELECTRIC SENSORS
- AREA SENSORS
- LIGHT CURTAINS
- PRESSURE / FLOW SENSORS
- INDUCTIVE PROXIMITY SENSORS
- PARTICULAR USE SENSORS
- SENSOR OPTIONS
- SIMPLE WIRE- SAVING UNITS
- WIRE- SAVING SYSTEMS
- MEASUREMENT SENSORS
- STATIC CONTROL DEVICES
- ENDOSCOPE
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- FA COMPONENTS
- MACHINE VISION SYSTEMS
- UV CURING SYSTEMS

MOUNTING / SIZE

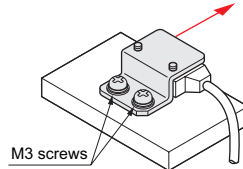
Mountable with M3 screws

Non-corrosive stainless steel type mounting bracket is also available.

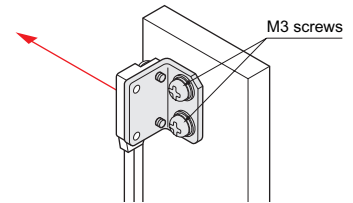
- **MS-EX10-1**
[Cold rolled carbon steel (SPCC)]
MS-EX10-11
[Stainless steel (SUS304)]
(mounting bracket for the front sensing type)



- **MS-EX10-2**
[Cold rolled carbon steel (SPCC)]
MS-EX10-12
[Stainless steel (SUS304)]
(mounting bracket for the side sensing type)



- **MS-EX10-3**
[Cold rolled carbon steel (SPCC)]
MS-EX10-13
[Stainless steel (SUS304)]
(L-shaped mounting bracket)



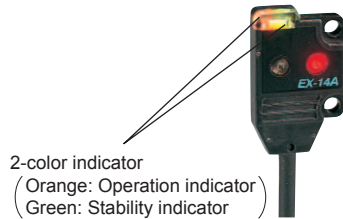
Red beam makes beam alignment easy

The red LED beam projected from the emitter helps you to align the sensor heads.

FUNCTIONS

Bright 2-color indicator

A convenient 2-color indicator has been incorporated in the miniature body.

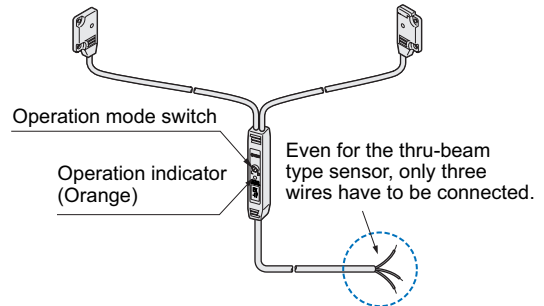


VARIETIES

Operation mode switch

EX-15□/17□

Thru-beam type sensor incorporated with an operation mode switch on the bifurcation is also available. It helps you to test the operability before start-up.



OTHERS

Less resources used *

Based on environmental considerations, simplified packaging is used in order to reduce waste.

In addition, the bag is made from polyethylene which produces no toxic gases even when burned.

* Effective from production in October 2010.



CX-400

EX-10

EX-20

EX-30

EX-40

CX-440

EQ-30

EQ-500

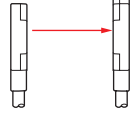
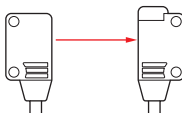

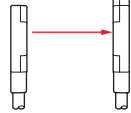
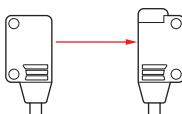

MQ-W

RX-LS200

RX

RT-610

ORDER GUIDE

| Type | | Appearance | Sensing range | Model No. (Note 2) | Output operation | Output | |
|------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------------|
| NPN output | Thru-beam |  Front sensing <small>With operation mode switch on the bifurcation</small> | 150 mm 5.906 in | EX-11A | Light-ON | NPN open-collector transistor | |
| | | | | EX-11B | Dark-ON | | |
| | | | 500 mm 19.685 in | EX-13A | Light-ON | | |
| | | | | EX-13B | Dark-ON | | |
| | | | 1 m 3.281 ft | EX-19A | Light-ON | | |
| | | | | EX-19B | Dark-ON | | |
| | Side sensing |  Side sensing <small>With operation mode switch on the bifurcation</small> | 150 mm 5.906 in | EX-11EA | Light-ON | | |
| | | | | EX-11EB | Dark-ON | | |
| | | | 500 mm 19.685 in | EX-13EA | Light-ON | | |
| | | | | EX-13EB | Dark-ON | | |
| | | | 150 mm 5.906 in | EX-15E | Switchable either Light-ON or Dark-ON | | |
| | | | 500 mm 19.685 in | EX-17E | | | |
| | Convergent reflective (Diffused beam type) |  Front sensing | 2 to 25 mm 0.079 to 0.984 in (Note 1) (Convergent point: 10 mm 0.394 in) | EX-14A | Light-ON | | |
| | | | | EX-14B | Dark-ON | | |
| PNP output | Thru-beam |  Front sensing | 150 mm 5.906 in | EX-11A-PN | Light-ON | PNP open-collector transistor | |
| | | | | EX-11B-PN | Dark-ON | | |
| | | | 500 mm 19.685 in | EX-13A-PN | Light-ON | | |
| | | | | EX-13B-PN | Dark-ON | | |
| | | | 1 m 3.281 ft | EX-19A-PN | Light-ON | | |
| | Side sensing |  | 150 mm 5.906 in | EX-11EA-PN | Light-ON | | |
| | | | | EX-11EB-PN | Dark-ON | | |
| | | | | 500 mm 19.685 in | EX-13EA-PN | | Light-ON |
| | | | | EX-13EB-PN | Dark-ON | | |
| | | | | Convergent reflective (Diffused beam type) |  Front sensing | | 2 to 25 mm 0.079 to 0.984 in (Note 1) (Convergent point: 10 mm 0.394 in) |
| EX-14B-PN | Dark-ON | | | | | | |

NOTE: Mounting bracket is not supplied with the sensor. Please select from the range of optional sensor mounting brackets (six types).

- Notes: 1) The sensor does not detect even a specular background if it is separated by 100 mm **3.937 in** or more. (However, the background should be directly opposite. A spherical or curved background may be detected.)
 2) The model No. with "P" shown on the label affixed to the thru-beam type sensor is the emitter, "D" shown on the label is the receiver. (e.g.) Emitter of **EX-11A**: **EX-11P**, Receiver of **EX-11A**: **EX-11AD**

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- Power Supply Built-in
- Amplifier-separated

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- RX**
- RT-610**