

## Advanced Performance and Wide Range of Selections in a Super-compact Size



- Only 5.5 × 5.5 mm with a built-in Amplifier.
- Maximum sensing distance: 2.5 mm. Stable detection even with workpiece fluctuations.
- Response frequency: 1 kHz.
- Low current consumption.



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.



Be sure to read *Safety Precautions* on page 6.

## Ordering Information

**Sensors** [Refer to *Dimensions* on page 7.]

### DC 2-Wire Models

| Appearance     | Sensing surface | Sensing distance | Model            |               |
|----------------|-----------------|------------------|------------------|---------------|
|                |                 |                  | Operation mode   |               |
|                |                 |                  | NO               | NC            |
| Unshielded<br> | Top             | 1.6 mm           | E2S-W11 1M *1 *2 | E2S-W12 1M    |
|                | Front           |                  | E2S-Q11 1M *1 *2 | E2S-Q12 1M    |
|                | Top             | 2.5 mm           | E2S-W21 1M *1 *2 | E2S-W22 1M *2 |
|                | Front           |                  | E2S-Q21 1M *1 *2 | E2S-Q22 1M *2 |

\*1. Models with a different frequency are also available to prevent mutual interference. The model numbers are E2S-□□□B (e.g., E2S-W11B).

\*2. Models are also available with robotics (bend resistant) cables. Add "-R" to the model number.(e.g., E2S-W11-R 1M)

### DC 3-Wire Models

| Appearance                                                                                                | Sensing surface | Sensing distance   |     | Output configuration | Model          |    |
|-----------------------------------------------------------------------------------------------------------|-----------------|--------------------|-----|----------------------|----------------|----|
|                                                                                                           |                 |                    |     |                      | Operation mode |    |
|                                                                                                           |                 |                    |     |                      | NO             | NC |
| <div>Unshielded</div>  | Top             | <div></div> 1.6 mm | NPN | E2S-W13 1M *1 *2     | E2S-W14 1M     |    |
|                                                                                                           | Front           |                    |     | E2S-Q13 1M *1 *2     | E2S-Q14 1M     |    |
|                                                                                                           | Top             | <div></div> 2.5 mm |     | E2S-W23 1M *1 *2     | E2S-W24 1M *2  |    |
|                                                                                                           | Front           |                    |     | E2S-Q23 1M *1 *2     | E2S-Q24 1M *2  |    |
|                                                                                                           | Top             | <div></div> 1.6 mm | PNP | E2S-W15 1M *1        | E2S-W16 1M     |    |
|                                                                                                           | Front           |                    |     | E2S-Q15 1M *1        | E2S-Q16 1M     |    |
|                                                                                                           | Top             | <div></div> 2.5 mm |     | E2S-W25 1M *1        | E2S-W26 1M     |    |
|                                                                                                           | Front           |                    |     | E2S-Q25 1M *1        | E2S-Q26 1M     |    |

\*1. Models with a different frequency are also available to prevent mutual interference. The model numbers are E2S-□□□B (e.g., E2S-W13B).

\*2. Models are also available with robotics (bend resistant) cables. Add "-R" to the model number.(e.g., E2S-W13-R 1M)

Accessories (Order Separately)

**Mounting Brackets** Some Mounting Brackets are provided with the Sensor. Order other Mounting Brackets separately if required.  
[Refer to *Dimensions* on page 7.]

| Appearance                                                                        | Model     | Quantity | Remarks                                           |
|-----------------------------------------------------------------------------------|-----------|----------|---------------------------------------------------|
|  | Y92E-C1R6 | 1        | Provided with E2S-□1□□.<br>(fixed with one screw) |
|  | Y92E-C2R5 |          | Provided with E2S-□2□□.<br>(fixed with one screw) |
|  | Y92E-D1R6 |          | For E2S-□1□□<br>(fixed with two screws)           |
|  | Y92E-D2R5 |          | For E2S-□2□□<br>(fixed with two screws)           |

Model Number Legend

