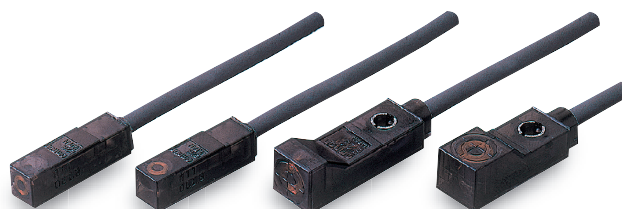


## Advanced Performance and Wide Range of Selections in a Super-compact Size



- 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 	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
Unshielded 	Top	1.6 mm	NPN	E2S-W13 1M *1 *2	E2S-W14 1M
	Front			E2S-Q13 1M *1 *2	E2S-Q14 1M
	Top	2.5 mm		E2S-W23 1M *1 *2	E2S-W24 1M *2
	Front			E2S-Q23 1M *1 *2	E2S-Q24 1M *2
	Top	1.6 mm	PNP	E2S-W15 1M *1	E2S-W16 1M
	Front			E2S-Q15 1M *1	E2S-Q16 1M
	Top	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□□. (fixed with one screw)
	Y92E-C2R5		Provided with E2S-□2□□. (fixed with one screw)
	Y92E-D1R6		For E2S-□1□□ (fixed with two screws)
	Y92E-D2R5		For E2S-□2□□ (fixed with two screws)

**Model Number Legend**

E2S- □ □ □ □ - □  
 (1) (2) (3) (4) (5) (6)

- (1) Compact Square Series
- (2) Sensing Direction  
W: Top surface detection  
Q: Front surface detection
- (3) Size and Sensing Distance (Standard Sensing Object)  
1: 5.5 × 5.5 mm, 1.6 mm (iron)  
2: 8 × 8 mm, 2.5 mm (iron)
- (4) Output  
1: DC 2-wire NO  
2: DC 2-wire NC  
3: DC 3-wire NPN NO  
4: DC 3-wire NPN NC  
5: DC 3-wire PNP NO  
6: DC 3-wire PNP NC
- (5) Different Frequency  
Blank: Standard  
B: Different frequency
- (6) Robotics (bend resistant) cables  
Blank: Standard  
R: Robotics (bend resistant) cables