

Subminiature Sensors with Long-distance Detection

- Shielded Sensor Heads from 3-mm to M12 diameters that can be embedded in metal.
- Robotics cables provided as a standard feature (DC 2-Wire Models).
- Indicator provided in Amplifier cable for easy confirmation of operation.
- Power supply range of 5 to 24 VDC for DC 3-Wire Models.



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



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

Ordering Information

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

DC 2-Wire Models

Appearance		Sensing distance		Model	
				Operation mode	
				NO	NC
 Shielded	3 dia.	0.8 mm		E2EC-CR8D1 2M *	E2EC-CR8D2 2M *
	5.4 dia.	1.5 mm		E2EC-C1R5D1 2M *	E2EC-C1R5D2 2M *
	8 dia.	3 mm		E2EC-C3D1 2M *	E2EC-C3D2 2M *
	M12	4 mm		E2EC-X4D1 2M *	E2EC-X4D2 2M *

* Models with different frequencies are also available. The model numbers are E2EC-□□□□5 (example: E2EC-CR8D15).

DC 3-Wire Models

Appearance		Sensing distance		Model	
				Output configuration	NO
 Shielded	3 dia.	0.5 mm		NPN open-collector output	E2EC-CR5C1 2M *1 *2
	8 dia.	2.5 mm			E2EC-C2R5C1 2M *1 *2

*1. Models with different frequencies are also available. The model numbers are E2EC-□□□□5 (example: E2EC-CR5C15).

*2. NC models are also available.

Accessories (Order Separately)

Mounting Bracket

The Mounting Bracket for the E2EC-C1R5D□ is not provided with the Sensor. Order a Mounting Bracket separately if required. [Refer to *Dimensions* on page 8.]

Appearance	Model	Applicable Sensors
	Y92E-F5R4	E2EC-C1R5D□ (5.4-mm-dia. Sensor)