High Precision Positioning Inductive Proximity Sensor E2C-EDA

Proximity Sensor with Separate Amplifier Enables Easily Making Highprecision Sensitivity Settings.

- Wide variety of Sensor Heads to select according to the application. Flexible cables are used between Preamplifiers and Amplifier Units of the Sensor Heads.
- High resistance to changes in ambient temperature. Temperature characteristics of 0.08%/°C (for 5.4-dia. models).
- Make simple and reliable detection settings with micronlevel precision using the teaching function.
- Check the sensing excess gain level on the digital display.
- Support for high-precision positioning and screening with fine positioning to maximize variations.
- The E2C-EDA0 supports an EtherCAT Sensor Communications Unit or CompoNet Sensor Communications Unit.

Be sure to read Safety Precautions on page 10.

Ordering Information

Sensors [Refer to Dimensions on page 12.] Sensor Heads

Туре	Appea	irance	Sensing distanc	e Repeat accuracy	Cable specification	Model
		3 dia. \times 18 mm	0.6 mm	1 µm	Free cutting *2	E2C-EDR6-F
					Standard *2	E2C-ED01
	Cylindrical 🕢	5.4 dia. × 18 mm	1 mm	1 μm	Free cutting *2	E2C-ED01-F
				μπ	With Protective Spiral Tube *1 * 2	E2C-ED01-S
					Standard *2	E2C-ED02
	V	8 dia. \times 22 mm	2 mm	2 μm	Free cutting *2	E2C-ED02-F
Shielded				2 μ	With Protective Spiral Tube *1 * 2	E2C-ED02-S
Shielded	Screw	M10 × 22 mm	2 mm		Standard *2	E2C-EM02
					Free cutting *2	E2C-EM02-F
				2 μm	With Protective Spiral Tube * 1 * 2	E2C-EM02-S
	Flat	30×14×4.8 mm			Standard *2	E2C-EV05
					Free cutting *2	E2C-EV05-F
			5 mm	2 μm	With Protective Spiral Tube * 1 * 2	E2C-EV05-S
	Screw	crew			Standard *2	E2C-EM07M
					Free cutting *2	E2C-EM07M-F
Unshielded		M18 × 46.3 mm	7 mm	5 μm	With Protective Spiral Tube * 1 * 2	E2C-EM07M-S
Heat-resistant	Screw					
	1	M12 × 22 mm	2 mm	2 µm	Standard *2	E2C-EM02H

***1** Ask your OMRON representative for information on the Protective Spiral Tube.

*2 Overall length of free-cut cable: 3.5 m, Length from the Sensor Head to the Preamplifier: 0.5 m (Overall length of the standard cable with Protective Spiral Tube: 2.5 m, Length from the Sensor Head to the Preamplifier: 2 m)



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

Amplifier Units

Amplifier	Units with	Cables
-----------	-------------------	--------

	Item	Appearance	Functions	Model		
	Item	Appearance	Functions	NPN output	PNP output	
Advanced models	Twin-output models		Area output, open circuit detection, differential operation	E2C-EDA11 2M	E2C-EDA41 2M	
	External-input models		Remote setting, differential operation	E2C-EDA21 2M	E2C-EDA51 2M	

Amplifier Units with Wire-saving Connectors (An Amplifier Unit Connector (sold separately) is required.)

	Item	Appearance	Functions	Model		
	item	Appearance	Functions	NPN output	PNP output	
Advanced models	Twin-output models		Area output, open circuit detection, differential operation	E2C-EDA6	E2C-EDA8	
	External-input models		Remote setting, differential operation	E2C-EDA7	E2C-EDA9	

Note: These models allow you to use an E3X-DRT21-S VER.3 Sensor Communications Unit. When using the E3X-DRT21-S VER.3, use an E3X-CN02 Connector without a Cable for the Wire-saving Connector.

Amplifier Unit with Connector for EtherCAT or CompoNet Sensor Communications Units [Refer to Dimensions page 16]

	Item	Appearance	Functions	Model	Applicable Sensor Communications Unit
Advanced model	Twin-output model	Ĩ	Area output, open circuit detection,	E2C-EDA0	E3X-ECT
		U	differential operation		E3X-CRT

Wire-saving Connectors (Order Separately) Note: Protector seals provided. [Refer to E3X-DA-S/MDA.]

ltem	Appearance	Cable length	No. of conductors	Model
Master Connector	Í	2 m	4	E3X-CN21
Slave Connector			2	E3X-CN22

Ordering Precaution for Amplifier Units with Wire-saving Connectors

A Connector is not provided with the Amplifier Unit. Refer to the following tables when ordering.

Amplifier Unit				Connector eparately)			
Model		NPN output	PNP output		Master Connector	Slave Connector	
Advanced mode		E2C-EDA6	E2C-EDA8		E3X-CN21	E3X-CN22	
Auvanceu moue	515	E2C-EDA7	E2C-EDA9	+			
When Using 5 A	mplifie	er Units					
Amplifier Units ((5 Uni	ts)		+	1 Master Connector	4 Slave Connectors	

Mobile Console (Order Separately) [Refer to E3X-DA-S/MDA.]					
Appearance	Model	Remarks			
	E3X-MC11-SV2 (model number of set)	Mobile Console with Head, Cable, and AC adapter provided as accessories			
	E3X-MC11-C1-SV2	Mobile Console			
	E3X-MC11-H1	Head			
STORE STORE	E39-Z12-1	Cable (1.5 m)			

Note: Use the E3X-MC11-SV2 Mobile Console with E2C-EDA-series Amplifier Units. If you use a Mobile Console like the E3X-MC11-S, some functions may not operate. For details, refer to *Ratings and Specifications* for E3X-DA-S/MDA.

Accessories (Order Separately)

Mounting Bracket

A Mounting Bracket is not provided with the Amplifier Unit. Order a Mounting Bracket separately if required. [Refer to E39-L, F39-L, E39-S, and E39-R.]

Appearance	Model	Quantity
	E39-L143	1

End Plate

An End Plate is not provided with the Amplifier Unit. Order an End Plate separately if required.

[Refer to PFP-D.]

Appearance	Model	Quantity
Contraction of the second seco	PFP-M	1

Extension Cables for Sensor Head

An Extension Cable is not provided with the Amplifier Unit. Order an Extension Cable separately if required. [Refer to Dimensions on page 13.]

Cable length	Model	Quantity
2 m	E22-XC2R	1
7 m	E22-XC7R	1

Rating and Specifications

Sensor Heads

		Model	E2C-EDR6-F	E2C-ED01(-□)	E2C-ED02(-□)	E2C-EM02(-□)	E2C-EM07(-□)	E2C-EV05(-□)	E2C-EM02H
Item			3 dia. × 18 mm	5.4 dia. \times 18 mm	8 dia. \times 22 mm	$M10 \times 22 \text{ mm}$	$M18 \times 46.3 \text{ mm}$	$30 \times 14 \times 4.8 \text{ mm}$	$M12 \times 22 \text{ mm}$
Sensing di	istance		0.6 mm	1 mm	2 mm		7 mm	5 mm	2 mm
Sensing object			Magnetic metal (The sensing distance will decrease when sensing non-magnetic metal. Refer to <i>Engineering Data (Reference Value)</i> on page 6.)						
Standard s	ensina d	hiect	$5 \times 5 \times 3$ mm		$10 \times 10 \times 3$ mm	ו	$22 \times 22 \times 3$ mm	$15 \times 15 \times 3$ mm	$20 \times 20 \times 3$ mm
Standard sensing object			Material: iron (S50C)					
Repeat accuracy *1			1 µm		2 μm		5 μm	2 µm	
Hysteresis	distanc	e	Variable						
Tempera-	Sensor	Head	0.3%/°C	0.08%/°C				0.04%/°C	0.2%/°C
ture char- acteristic *1	Acteristic Preamplifier and 0.08%/°C								
Ambient	Operati	ng	–10°C to 60°C	(with no icing or	condensation)				-10°C to 200°C * 3
tempera- ture *2 Storage			-10°C to 60°C (with no icing or condensation) -20°C to 70°C (with no icing or condensation)						
Ambient humidity			Operating/storage: 35% to 85% (with no condensation)						
Insulation	resistan	ce	50 MΩ min. (at 500 VDC)						
Dielectric	strength		1,000 VAC at 50/60 Hz for 1 min between current carry parts and case						
Vibration r	esistanc	е	Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions						
Shock resi	istance		Destruction: 500 m/s ² for 3 times each in X, Y, and Z directions						
Degree of	protectio	on	IEC60529 IP67					IEC60529 IP60 * 4	
Connectio	n metho	d	Connector (standard cable length: 2.5 m (2 m between Head and Preamplifier) "-F" model cable length: 3.5 m (0.5 m between Head and Preamplifier)						
Weight (pa	icked sta	te)	Approx. 120 g	(Models with pro	otective spiral tub	be ("-S" models)	are approx. 90	g heavier.)	
		Case	Brass	Stainless steel	Brass			Zinc	Brass
	Sensor	Sensing surface	Heat-resistant	ABS					PEEK
Material	Head	Clamping nut				Nickel-plated b	rass		Nickel-plated brass
		Toothed washer				Zinc-plated iror	1		Zinc-plated iron
	Preamplifier		PES			1		1	1
Accessori	es		Preamplifier Mounting Brackets, Instruction Manual						

amplifier Mounting Brackets, Instruction Manua

*1 The repeat accuracy and temperature characteristic are for a standard sensing object positioned midway through the rated sensing distance. *2 A sudden temperature rise even within the rated temperature range may degrade characteristics.
*3 For the Sensor Head only without the preamplifier (-10 to 60°C). With no icing or condensation.
*4 Do not operate in areas exposed to water vapor because the enclosure is not waterproof.

Amplifier Units

Туре		Advanced Models with Twin Outputs				Advanced Models with External Inputs	
		Pre-wired Model Model with Wire- saving Connector Communications Unit		Pre-wired Model	Model with Wire- saving Connector		
Model	NPN output	E2C-EDA11	E2C-EDA6		E2C-EDA21	E2C-EDA7	
ltem	PNP output	E2C-EDA41	E2C-EDA8	E2C-EDA0 *1	E2C-EDA51	E2C-EDA9	
Supply volt	age	12 to 24 VDC ±109	%, ripple (p-p): 10% n	nax.			
Power cons	sumption	1,080 mW max. (c	urrent consumption: 4	45 mA at power supply voltage	of 24 VDC)		
Control output		Load power supply voltage: 26.4 VDC max.; NPN/PNP open collector output; load current: 50 mA max. (residual voltage: 1 V max.)					
	Super-high- speed mode *2	150 μs for operation and reset 150 μs for operation and reset respectively respectively					
Response	High-speed mode	300 μs for operation and reset respectively					
time	Standard mode	1 ms for operation and reset respectively					
	High-resolution mode	4 ms for operation and reset respectively					
	Differential detection	Switchable between single edge and double edge detection mode Single edge: Can be set to 300 μ s, 500 μ s, 1 ms, 10 ms, or 100 ms Double edge: Can be set to 500 μ s, 1 ms, 2 ms, 20 ms, or 200 ms.					
	Timer function	Select from OFF-delay, ON-delay, or one-shot timer. 1 ms to 5 s (1 to 20 ms set in 1-ms increments, 20 to 200 ms set in 10-ms increments, 200 ms to 1 s set in 100-ms increments, and 1 to 5 s set in 1 s-increments)					
Functions	Zero-reset	Negative values can be displayed. Zero-reset is accompanied by a change of detection distance. After zero-reset, some threshold level may also cause a change of the indication by influence of other settings.					
, anotiono	Initial reset	Settings can be returned to defaults as required.					
	Mutual interfer- ence prevention	Possible for up to 5 Units. *2 Intermittent oscillation method (Response time = (number of Units connected + 1) ×15 ms)					
	Hysteresis settings	Setting range: 10 to 4,000					
	I/O settings	Output setting (Sel diagnosis, or open	ect from channel 2 of circuit detection.)	Input setting (Select from teaching, fine positioning, zero-reset, synchronous detection.)			
Digital disp	lay	Select from the following: Incident level + threshold, incident level percentage +threshold, incident light peak level + incident light bottom level (updated with output), long bar display, incident level + peak hold, incident level + channel					
Display orio	entation	Switching between normal/reversed display is possible.					
Ambient temperature *3		Operating: When connecting 1 to 2 Units: -10°C to 55°C, When connecting 3 to 5 Units: -10°C to 50°C, When connecting 6 to 16 Units: -10°C to 45°C When used in combination with an EDR6-F When connecting 3 to 4 Units: -10°C to 50°C, When connecting 5 to 8 Units: -10°C to 45°C, When connecting 0 to 16 Units: -10°C to 50°C,					
		When connecting 9 to 16 Units: -10°C to 40°C Storage: -20°C to 70°C (with no icing)					
Ambient hu	midity	Operating/storage: 35% to 85% (with no condensation)					
Insulation r	•	$20 \text{ M}\Omega \text{ min.}$ (at 500 VDC)					
		1,000 VAC at 50/60 Hz for 1 min					
Dielectric strength Vibration resistance		10 to 55 Hz with a 1.5-mm double 10 to 150 Hz with a 0.7-mm 10 to 55 Hz with a 1.5-mm double amplitude for 2 hours each in X, Y, and double amplitude for 80 min amplitude for 2 hours each in X, Y, and					
(Destruction) Shock resistance		Z directions each in X, Y, and Z directions Z directions 500 m/s² for 3 times each in X, Y, and Z 150 m/s² for 3 times each in 500 m/s² for 3 times each in X, Y, and					
(Destruction)		directions X, Y, and Z directions Z directions					
Degree of protection Connection method		IEC60529 IP50 Pre-wired	Wire-saving	Connector for Sensor	Pre-wired	Wire-saving	
Weight (packed state)		Approx 100 g	connector	Communications Unit	Approx 100 g	connector	
neight (pa	Case	Approx. 100 g Approx. 55 g Approx. 55 g Approx. 55 g Approx. 55 g PBT (polybutylene terephthalate) PBT (polybutylene terephthalate) PBT (polybutylene terephthalate) PBT (polybutylene terephthalate)					
Material	Cover	Polycarbonate					
		E3X-ECT EtherCAT Sensor Communications Unit or E3X-CRT CompoNet Sensor Communications Unit.					

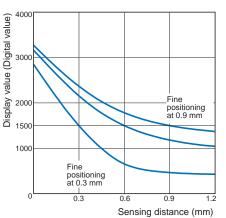
*1 This model allow you to use an E3X-ECT EtherCAT Sensor Communications Unit or E3X-CRT CompoNet Sensor Communications Unit.
 *2 communications functions, mutual interference prevention, and communications with the Mobile Console are all disabled if the detection mode is set to the super-

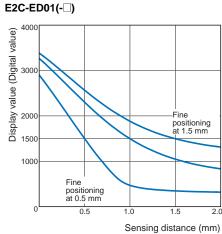
Communications functions, mutual interference prevention, and communications with the model of the speed mode. high-speed mode. The following temperature ranges apply for operation when an E3X-ECT or E3X-CRT Sensor Communications Unit is used with the E2C-EDA0: Groups of 1 or 2 Amplifier Units: 0 to 55°C, Groups of 3 to 5 Amplifier Units: 0 to 50°C, Groups of 6 to 16 Amplifier Units: 0 to 45°C, Groups of 17 to 30 Amplifier Units (with the E3X-ECT): 0 to 40°C. The following temperature ranges apply when an E3X-ECT or E3X-CRT Sensor Communications Unit is used with the E2C-EDR6-F: Groups of 3 or 4 Amplifier Units: 0 to 50°C, Groups of 5 to 8 Amplifier Units: 0 to 45°C, Groups of 9 to 16 Amplifier Units: 0 to 40°C, Groups of 17 to 30 Amplifier Units (with the E3X-ECT): 0 to 35°C. *3

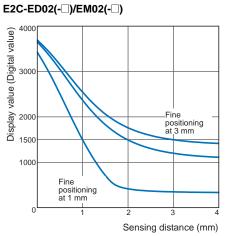
Engineering Data (Reference Value)

Sensing Distance vs. Display Values

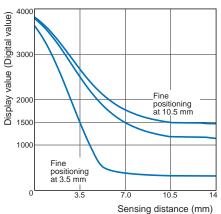
E2C-EDR6-F



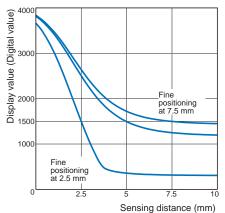




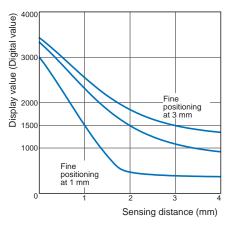
E2C-EM07(-□)



E2C-EV05(-□)

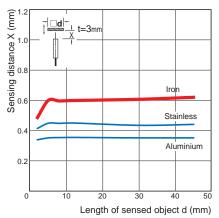


E2C-EM02H

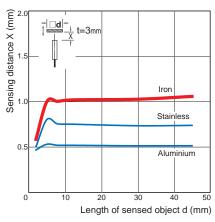


Influence of Sensing Object Size and Material

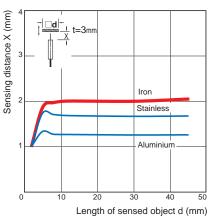
E2C-EDR6-F

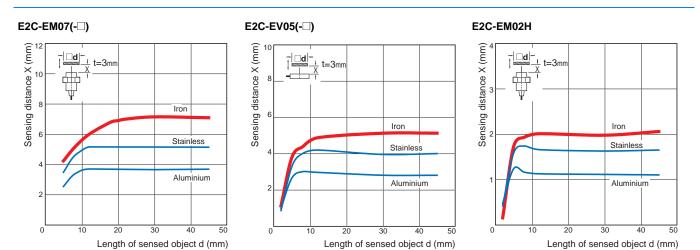


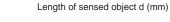
E2C-ED01(-□)



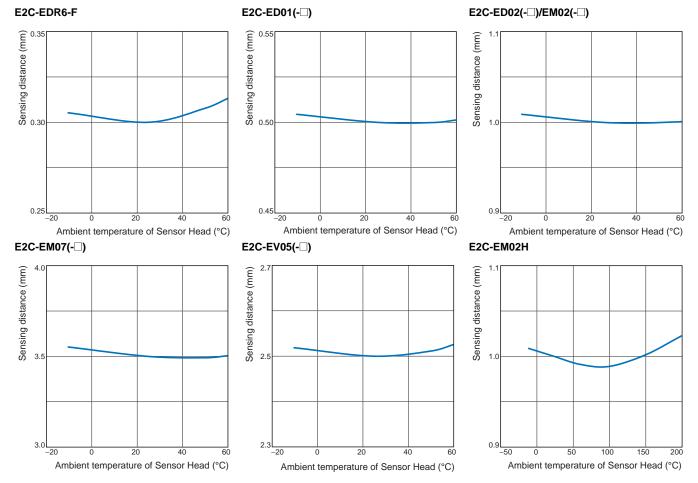
E2C-ED02(-□)/EM02(-□)







Influence of Sensor Head Temperature



I/O Circuit Diagrams

NPN Output

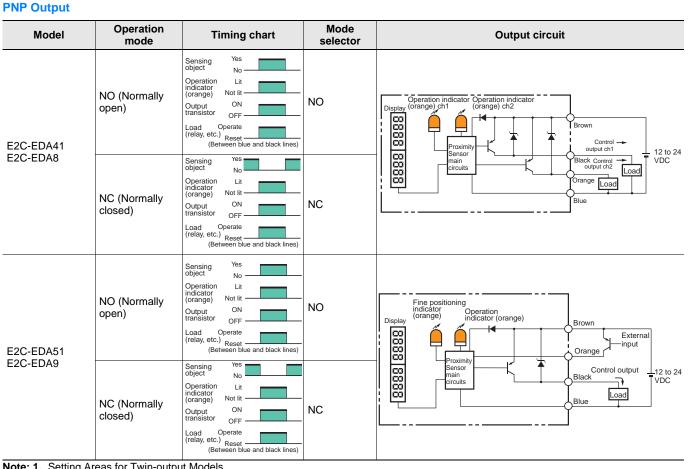
Model	Operation mode	Timing chart	Mode selector	Output circuit
E2C-EDA11 E2C-EDA6	NO (Normally open)	Sensing Yes object No Operation Lit indicator Not lit (orange) Not lit Output ON transistor OFF Load Operate (relay, etc.) Reset (Between brown and black lines)	NO	Operation indicator Operation indicator Display (orange) ch1 (orange) ch2 Brown Black Load Proximity Proximity 12 to 24
	NC (Normally closed)	Sensing Ves No Operation Lit Indicator Not lit Corange ON Output ON Load Operate (relay, etc.) Reset (Between brown and black lines)	NC	Sensor T 12 to 24 VDC VDC
E2C-EDA21 E2C-EDA7	NO (Normally open)	Sensing Yes object No Operation Lit indicator (orange) Not lit Output ON transistor OFF Load Operate (relay, etc.) Reset (Between brown and black lines)	NO	Fine positioning indicator (orange) Operation indicator (orange) Display Proximity Pro
	NC (Normally closed)	Sensing Yes No Operation Lit indicator (orange) Not lit transistor OFF Load Operate (relay, etc.) Reset (Between brown and black lines)	NC	Black Load Proximity Sensor main circuits Blue Control output Orange Blue Control output Control output Blue Control output Control output Blue Control output Control output

Note: 1. Setting Areas for Twin-output Models
 Normally open:ON between the thresholds for Channel 1 and Channel 2
 Normally closed: ..OFF between the thresholds for Channel 1 and Channel 2

 Timing Charts for Timer Settings (T: Set Time)

ON delay	OFF delay	One shot
Sensing Yes object No OFF OFF NC OFF	Sensing Yes object No ON OFF NC OFF OFF	Sensing No object NO OFF NC ON OFF

E2C-EDA



Note: 1. Setting Areas for Twin-output Models

Normally open:ON between the thresholds for Channel 1 and Channel 2

Normally closed: .. OFF between the thresholds for Channel 1 and Channel 2

2. Timing Charts for Timer Settings (T: Set Time)

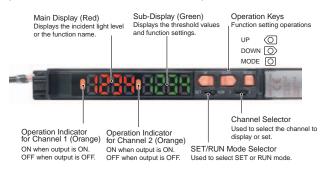


Nomenclature

Amplifier Units

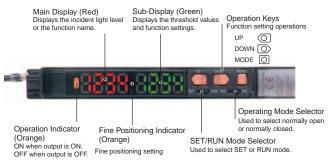
Twin-output Models

(E2C-EDA11/EDA41/EDA6/EDA8/EDA0)



External-input Models

(E2C-EDA21/EDA51/EDA7/EDA9)



Safety Precautions

Refer to Warranty and Limitations of Liability.

<u> WARNING</u>

Do not use this product in any safety device used for the protection of human lives.



Precautions for Correct Use

Do not use this product in operating atmospheres or environments outside the specified ratings.

Amplifier Units

Design

Power ON

The Sensor is ready to sense an object within 200 ms after turning the power ON. If the load and Sensor are connected to different power supplies, always turn ON the Sensor power first.

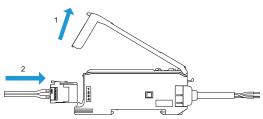
Cable

Use an external power cable of cross-section of 0.3 mm² or more for the Amplifier, and the total length of the cable must be 30 m or less.

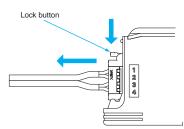
Connecting Sensor Heads

Connecting and Disconnecting Sensor Heads

- 1. Open the protective cover.
- 2. Making sure that the lock button is up, insert the fibers all the way to the back of the Connector insertion opening.



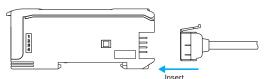
To disconnect the Sensor Head, pull out the fibers while pressing on the lock button.



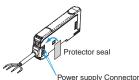
Connecting and Disconnecting Wire-saving Connectors

<Connecting Connectors>

1. Insert the Master or Slave Connector into the Amplifier Unit until it clicks into place.



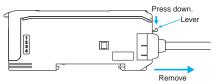
 Apply the supplied seal to the non-connection surface of the Master/Slave Connector.



Note: Apply the seal to the grooved side.

<Disconnecting Connectors>

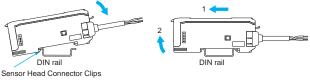
- 1. Slide the Slave Amplifier Unit.
- After the Amplifier Unit has been separated, press down on the lever on the Connector and remove it. (Do not attempt to remove Connectors without separating them from other Amplifier Units first.)



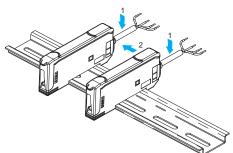
Installing and Removing Amplifier Units

<Installing Amplifier Units>

1. Install the Units one by one to the DIN rail.



2. Slide one Unit toward the other, match the clips at the front ends, and then bring them together until they "click."



<Removing Amplifier Units>

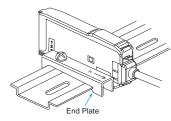
Slide one Unit away from the other and remove them one by one. (Do not remove the connected Units together from the DIN rail.)

- **Note: 1.** When the Amplifier Units are connected to each other, the operable ambient temperature changes depending on the number of connected Amplifier Units. Check page 5 in *Rating and Specifications.*
 - 2. Before connecting or disconnecting the Units, always switch power OFF.

E2C-ED

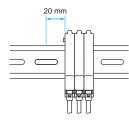
End Plate Mounting (PFP-M)

Mount End Plates on Amplifier Units to avoid movement due to vibration. When a Mobile Console is installed, mount the End Plate facing as shown in the following diagram.



Mounting a Communications Head for the Mobile Console

Leave a space of at least 20 mm on the left side of the Units for a Mobile Console Communications Head.



EEPROM Write Error

If the data is not written to the EEPROM correctly due to a power failure or static-electric noise, initialize the settings using the keys on the Amplifier Unit.

Optical Communications

When using more than one Amplifier Unit, mount the Units side-byside. Do not slide or remove Units while they are in use.

Miscellaneous

Protective Cover

Be sure to put on the Protective Cover before use.

Mobile Console

Use the E3X-MC11-SV2 Mobile Console for E2C-EDA-series Amplifier Units. Other Mobile Consoles, such as the E3X-MC11, cannot be used.

Sensor Head and Amplifier Unit Connection

Be sure to use only specified Sensor Head and Amplifier Unit combinations. The E3C-LDA-series Photoelectric Sensor with Separate Digital Amplifier is not compatible, and the E2C-EDA must not be used with products from that series.

Warm-up

The digital display will slowly change until the circuits stabilize after the power is turned ON. It takes about 30 minutes after the power is turned ON before the E2C-EDA is ready to sense.

Maintenance Inspection

- · Be sure to turn OFF the power before adjusting, connecting, or disconnecting the Sensor Head.
- Do not use thinner, benzene, acetone, or kerosene to clean the Sensor Head or Amplifier Unit.

Sensor Heads Mounting

Mounting Sensor Heads

• Use the dimensions from the following table to mount unthreaded cylindrical models (E2C-ED-DD). Do not tighten screws with torque exceeding 0.2 N·m when mounting Sensor Heads.

Model	Tightening range A	Dimpled end of set screw (M3)	A +
E2C-EDR6-F	9 to 18 mm	winnser in the second	
E2C-ED01	9 to 18 mm		
E2C-ED02	11 to 12 mm		
	•		03

• Use the torque given in the following table to tighten threaded cylindrical models (E2C-EM__).

Model	Tightening torque
E2C-EM02	15 N·m max.
E2C-EM07M	15 N·m max.
E2C-EM02H	5.9 N·m max.

- Do not use torque exceeding 0.5 N·m to tighten screws when mounting flat models (E2C-EV
- Use a bending radius of at least 8 mm for the Sensor Head cable. Use only the special extension cable to extend the cable between
- the Sensor Head and the Amplifier Unit. Model Cable length

	•
E22-XC2R	2 m
E22-XC7R	7 m

Effects of Surrounding Metal

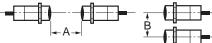
· Provide a minimum distance between the Sensor and the surrounding metal as shown in the table below.

(Units: mm) Effects of Surrounding Metal

Counterbore A	Protrusion B	A dia+
3.1	0	1
5.4	0	
8	0	
10	0	
35	20	
14 × 30	4.8	•
12	0	-
	3.1 5.4 8 10 35 14 × 30	3.1 0 5.4 0 8 0 10 0 35 20 14 × 30 4.8

Mutual Interference

- If more than one Sensor Head is installed face to face or in parallel, make sure that the distances between two Units adjacent to each other are the same as or larger than the corresponding values shown in the following table.
- The distance between Sensor Heads may be narrower than specified with these Sensors because the Mutual Interference Prevention Function is used for optical communications between the Amplifier Units.



Mutual Interference

(,					
Model	Face-to-face arrangement A	Parallel arrangement B	Face-to-face arrangement using the Mutual Interference Prevention Function A'	Parallel arrangement using the Mutual Interference Prevention Function B'	
E2C-EDR6-F	14	10	3.5	3.1	
E2C-ED01	45	20	9	5.4	
E2C-ED02	35	30	21	8 *	
E2C-EM02	36	30	21	10 *	
E2C-EM07M	140	120	35	18 🗱	
E2C-EV05	65	30	21	14 🗱	
E2C-EM02H	45	30	21	12 *	

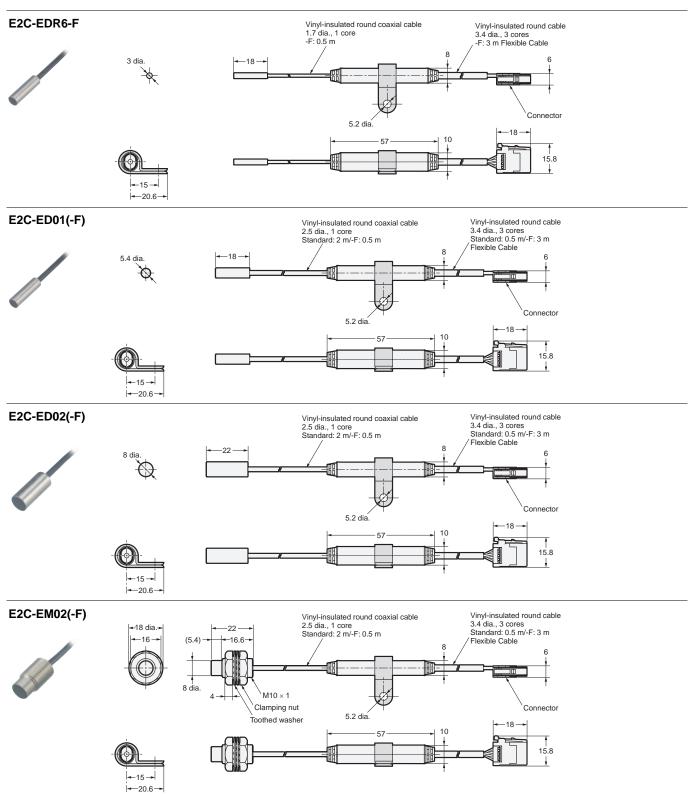
*Mutual interference does not occur for close-proximity mounting when the Mutual Interference Prevention Function is effective.

(Units: mm)

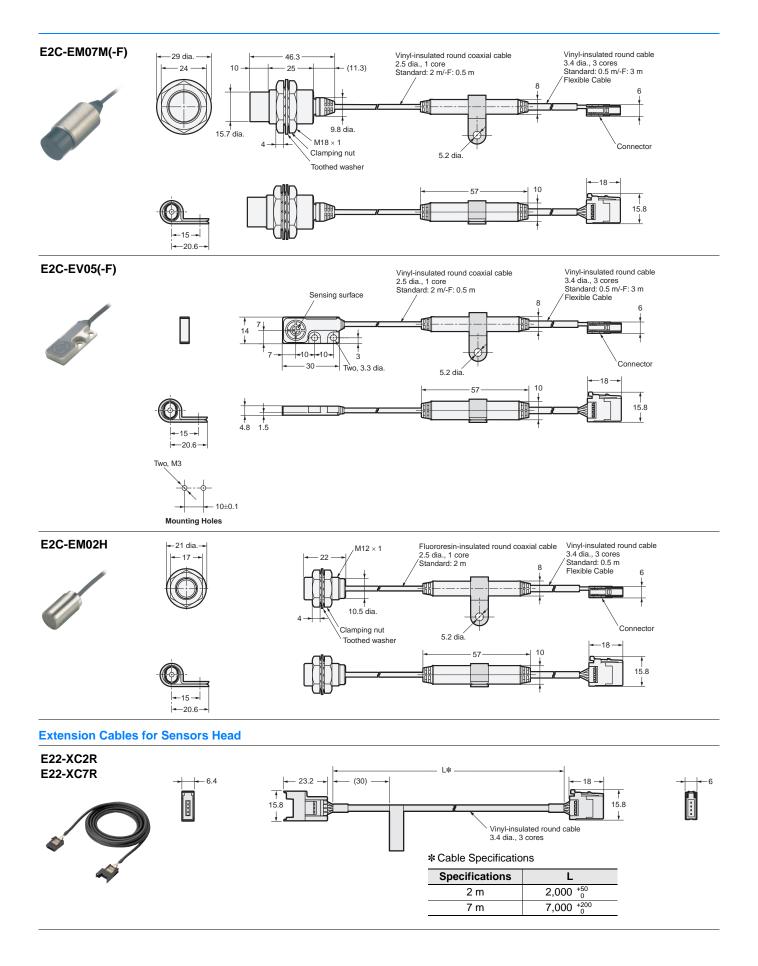
Dimensions

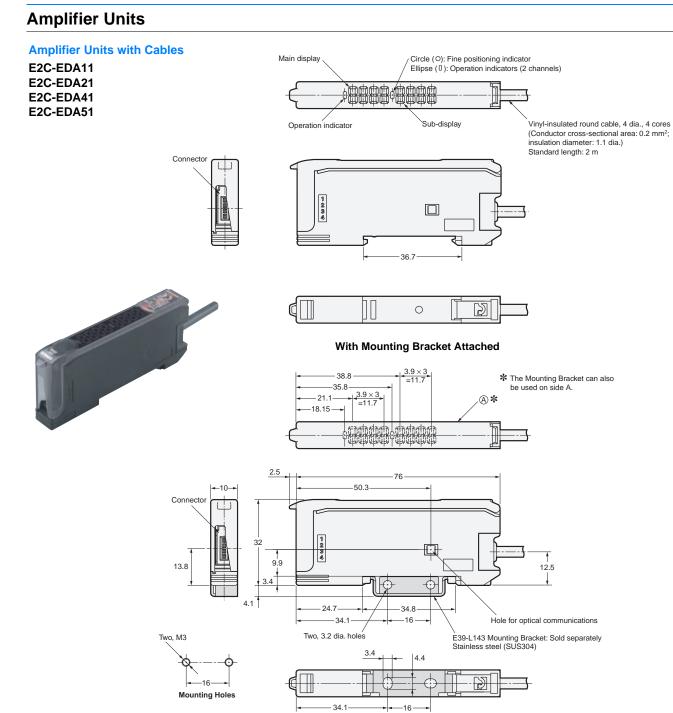
E2C-EDA

Sensor Heads



E2C-EDA

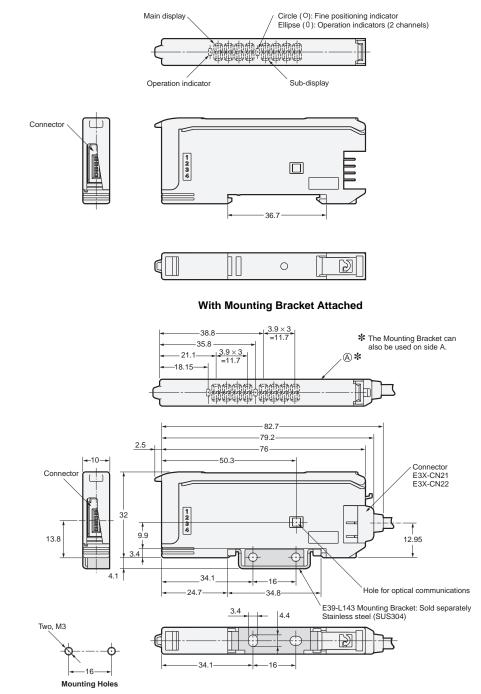




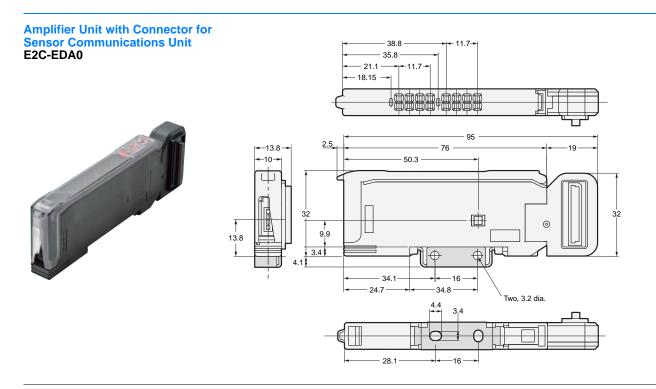
E2C-EDA

Amplifier Units with Wire-saving Connectors

E2C-EDA6 E2C-EDA7 E2C-EDA8 E2C-EDA9







Amplifier Unit Connectors

Refer to E3X-DA-S/MDA for details.

Mobile Console Refer to *E3X-DA-S/MDA* for details.

Accessories (Order Separately)

Mounting Brackets Refer to E39-L for details. End Plate Refer to DIN rail for details. Read and understand this catalog.

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

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