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 micron-level 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.]

Туре	Арреа	rance	Sensing distance	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
				i µiii	With Protective Spiral Tube *1 * 2	E2C-ED01-S
					Standard *2	E2C-ED02
	•	8 dia. × 22 mm	2 mm	2 μm	Free cutting *2	E2C-ED02-F
Shielded			2 11111	2 µ	With Protective Spiral Tube *1 * 2	E2C-ED02-S
Shielded	Screw			2 µm	Standard *2	E2C-EM02
		M40 00			Free cutting *2	E2C-EM02-F
		M10 × 22 mm	2 mm		With Protective Spiral Tube * 1 * 2	E2C-EM02-S
	Flat	30×14×4.8 mm		2 µm	Standard *2	E2C-EV05
					Free cutting *2	E2C-EV05-F
			5 mm		With Protective Spiral Tube * 1 * 2	E2C-EV05-S
	Screw				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	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

ltem		Appearance Functions		Model		
		Appearance	Functions	NPN output	PNP output	
Advanced models	Twin-output models		Area output, open circuit detection, differential operation	E2C-EDA11 2M	E2C-EDA41 2M	
Advanced models	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		
				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		Area output, open circuit detection, differential operation		E3X-ECT
				E2C-EDA0	E3X-CRT

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

Item	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				Applicable Connector (Order Separately)		
Model NPN output PNP output				Master Connector	Slave Connector	
Advanced models	E2C-EDA6	E2C-EDA8		E3X-CN21	E3X-CN22	
Auvanceu moueis	E2C-EDA7	E2C-EDA9	+	E3X-CINZ I	E3X-CN22	
When Using 5 Amplifi	er Units					
Amplifier Units (5 Un	its)	+	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					
S. S.	E39-Z12-1	Cable (1.5 m)					

hile C r d a r Conoratoly) ___

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

A Mounting Bracket 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	I

Rating and Specifications

Sensor Heads

		Model				E2C-EM02(-□)	E2C-EM07(-□)	E2C-EV05(-□)	E2C-EM02H
Item			3 dia. $ imes$ 18 mm	5.4 dia. \times 18 mm	8 dia. $ imes$ 22 mm	$M10 \times 22 \text{ mm}$	$M18 \times 46.3 \text{ mm}$	$\textbf{30} \times \textbf{14} \times \textbf{4.8} \text{ mm}$	M12 × 22 mm
Sensing d	istance		0.6 mm	1 mm	2 mm		7 mm	5 mm	2 mm
Sensing o	bject		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	sonsina (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
otanuaru	sensing	55,001	Material: iron (S	S50C)					
Repeat ac	curacy 粩	1	1 µm		2 µm		5 μm	2 µm	
Hysteresis			Variable						
Tempera-	Sensor	Head	0.3%/°C	0.08%/°C				0.04%/°C	0.2%/°C
ture char- acteristic *1	Preamp Amplifie	lifier and er	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 h	-		Operating/storage: 35% to 85% (with no condensation)						
Insulation		се	50 M Ω min. (at 500 VDC)						
Dielectric	strength		1,000 VAC at 50/60 Hz for 1 min between current carry parts and case						
Vibration	resistanc	е	Destruction: 10 to 55 Hz, 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions						
Shock res	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	on 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	acked sta	ite)	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 brass -			Nickel-plated brass	
		Toothed washer			Zinc-plated iron				Zinc-plated iron
	Preamp	lifier	PES			1		1	1
Accessori			Proomplifior M	unting Brackets	s Instruction Ma	nual			

Accessories Preamplifier Mounting Brackets, Instruction Manual

*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.

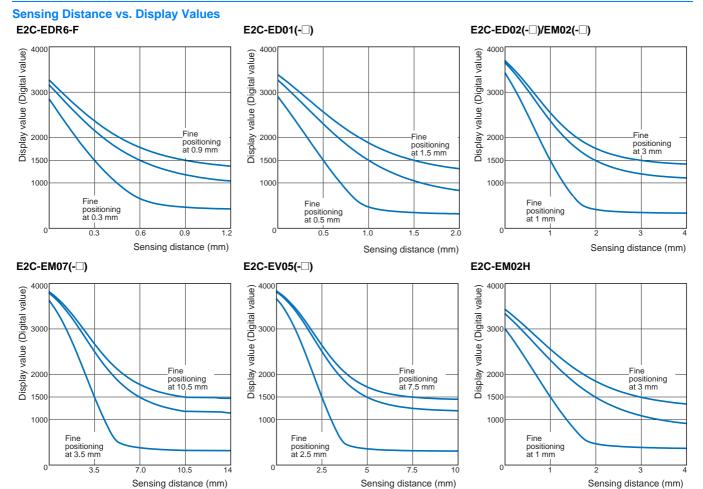
Amplifier Units

Туре		Ad	vanced Models with	Advanced Models with External Inputs				
		Pre-wired Model	Model with Wire- saving Connector	Model for Sensor 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% r	nax.				
Power cons	sumption	1,080 mW max. (c	urrent consumption: 4	15 mA at power supply voltage	of 24 VDC)			
Control out	put	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 respectively	on and reset	150 μs for operation and reset respectively				
Response	High-speed mode	300 µs for operation	on and reset respectiv					
time	Standard mode	1 ms for operation	and reset respective	ly				
	High-resolution mode	4 ms for operation and reset respectively						
	Differential detection	Single edge: Can b	be set to 300 µs, 500	uble edge detection mode μs, 1 ms, 10 ms, or 100 ms is, 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)						
	Zero-reset	Negative values can be displayed. (Threshold is not shifted.)						
Functions	Initial reset	Settings can be returned to defaults as required.						
	Mutual interfer-	Possible for up to 5 Units. *2						
	ence prevention	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 display		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 orie	entation	Switching between	normal/reversed dis	play is possible.				
		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						
Ambient te	mperature <mark>*</mark> 3	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 9 to 16 Units: -10°C to 40°C						
		Storage: –20°C to 70°C (with no icing)						
Ambient hu	Imidity	Operating/storage: 35% to 85% (with no condensation)						
Insulation r	esistance	20 MΩ min. (at 500 VDC)						
Dielectric s	trength	1,000 VAC at 50/60 Hz for 1 min						
Vibration resistance (Destruction)		10 to 55 Hz with a 1.5-mm double amplitude for 2 hours each in X, Y, and Z directions10 to 150 Hz with a 0.7-mm double amplitude for 80 min each in X, Y, and Z directions10 to 55 Hz with a 1.5-mm double amplitude for 2 hours each in X, Y, Z directions						
Shock resistance (Destruction)		500 m/s² for 3 times each in X, Y, and Z 150 m/s² for 3 times each in X, Y 500 m/s² for 3 times each in X, Y directions X, Y, and Z directions Z directions			mes each in X, Y, and			
Degree of p	protection	IEC60529 IP50						
Connection	method	Pre-wired	Wire-saving connector	Connector for Sensor Communications Unit	Pre-wired	Wire-saving connector		
Weight (pa	cked state)	Approx. 100 g	Approx. 55 g	Approx. 55 g	Approx. 100 g	Approx. 55 g		
Case		PBT (polybutylene terephthalate)						
Material	Case	PB1 (polybutylene	terepritralate)					

*2 Communications functions, mutual interference prevention, and communications with the Mobile Console are all disabled if the detection mode is set to the super-

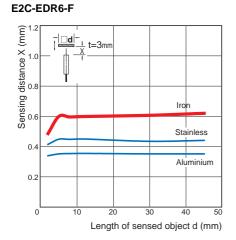
Communications functions, mutual interference prevention, and communications with the Mobile Console are an disabled in the detection mode is set to the super high-speed mode. The following temperature ranges apply for operation when an E3X-ECT or E3X-CRT Sensor Communications Unit is used with the E2C-EDA0: 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

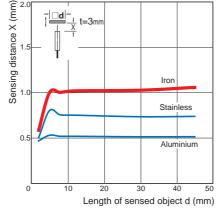
Engineering Data (Reference Value)



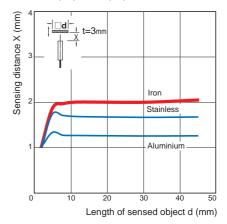
Sensing distance (mm)

Influence of Sensing Object Size and Material E2C-ED01(-□)

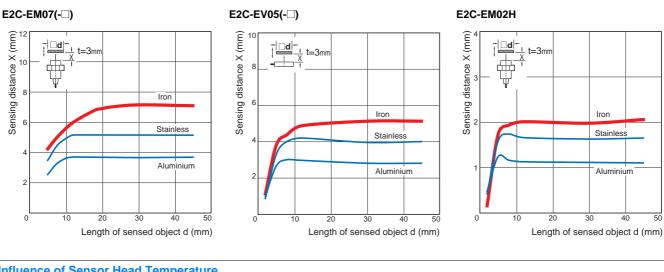




E2C-ED02(-□)/EM02(-□)

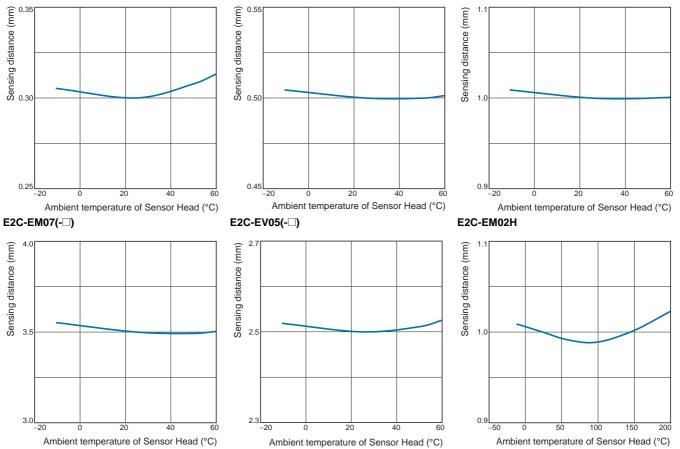


E2C-ED02(-□)/EM02(-□)



E2C-ED01(-□)

Influence of Sensor Head Temperature E2C-EDR6-F



I/O Circuit Diagrams

NPN Output

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

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 NO OFF NC ON OFF	Sensing Yes object No NO OFF	Sensing No object No OFF THAT NO OFF THAT

PNP Output

Model	Operation mode	Timing chart	Mode selector	Output circuit
E2C-EDA41	NO (Normally open)	Sensing Yes object No Operation Lit Indicator Not lit Output ON transistor OFF Load Operate (relay, etc.) Reset (Between blue and black lines)	NO	Operation indicator Operation indicator Display (orange) ch1
E2C-EDA8	NC (Normally closed)	Sensing object No Operation Lit indicator Not lit Output ON transistor OFF Load Operate (relay, etc.) Reset (Between blue and black lines)	NC	Billie Billie
E2C-EDA51	NO (Normally open)	Sensing Yes object No Operation Lit indicator Not lit Output ON transistor OFF Load Operate (relay, etc.) Reset (Between blue and black lines)	NO	Fine positioning indicator Operation (orange) indicator (orange) Brown External Orange Input
E2C-EDA9	NC (Normally closed)	Sensing Yes No Operation Lit Indicator Not lit Varansistor OFF Load Operate (relay, etc.) Reset (Between blue and black lines)	NC	Control output Provinity Sensor main cicuits Control output Black Blue Blue Blue

Note: 1. Setting Areas for Twin-output Models

Normally closed: ... OFF 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)

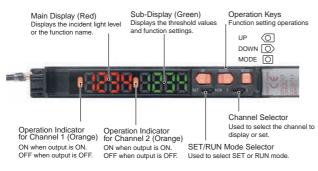


Nomenclature

Amplifier Units

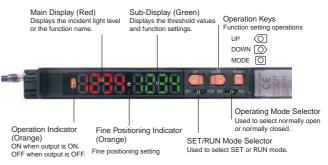
Twin-output Models

(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.

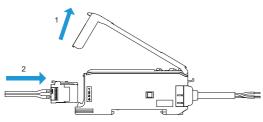
Cable

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.

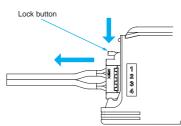
Connecting Sensor Heads

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.



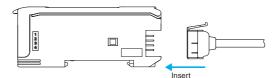
To disconnect the Sensor Head, pull out the fibers while pressing on the lock button.



Connecting and Disconnecting Wire-saving Connectors

<Connecting Connectors>

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



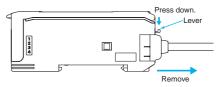
 Apply the supplied seal to the non-connection surface of the Master/Slave Connector.



Note: Apply the seal to the grooved side.

<Disconnecting Connectors>

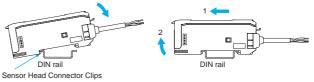
- 1. Slide the Slave Amplifier Unit.
- After the Amplifier Unit has been separated, press down on the lever on the Connector and remove it. (Do not attempt to remove Connectors without separating them from other Amplifier Units first.)



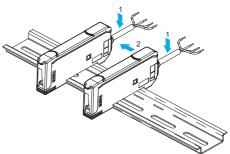
Installing and Removing Amplifier Units

<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."



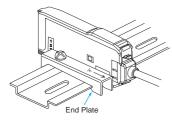
<Removing Amplifier Units>

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.

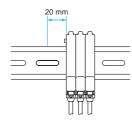
End Plate Mounting (PFP-M)

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.

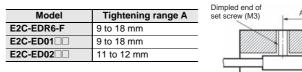
Maintenance Inspection

- · 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-□□). Do not tighten screws with torque exceeding 0.2 N·m when mounting Sensor Heads.



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

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-EVDD). 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.

Effects of Surrounding Metal (Units: mm)

	-	-	
Model	Counterbore A	Protrusion B	+ A dia.+
E2C-EDR6-F	3.1	0	1
E2C-ED01	5.4	0	
E2C-ED02	8	0	
E2C-EM02	10	0	
E2C-EM07M	35	20	
E2C-EV05	14×30	4.8	•
E2C-EM02H	12	0	-

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.

Ν

E2C-EM02H

Nutual Interference (Units: mm)						
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 🛠		

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

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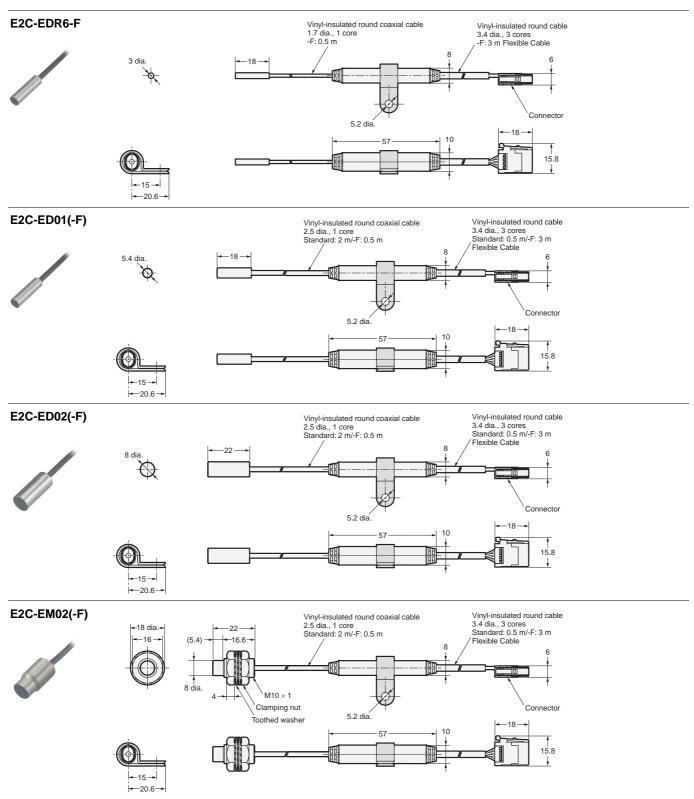
12 🛠

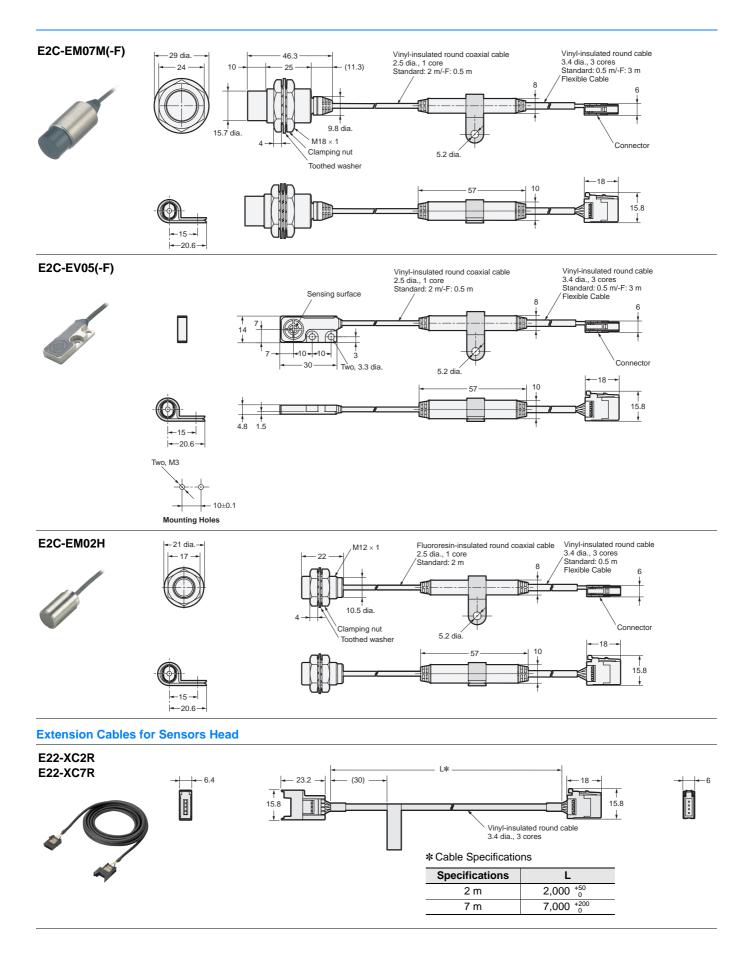
30

Dimensions

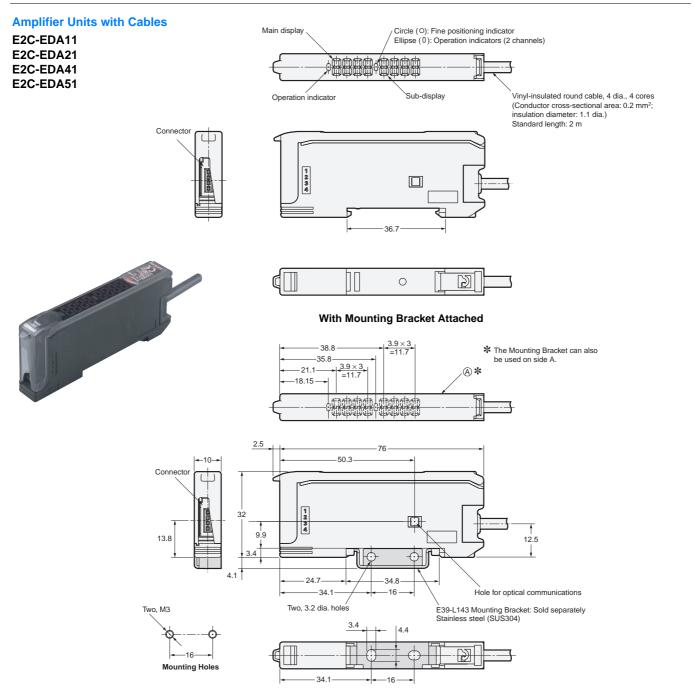
(Unit: mm) Tolerance class IT16 applies to dimensions in this data sheet unless otherwise specified.

Sensor Heads



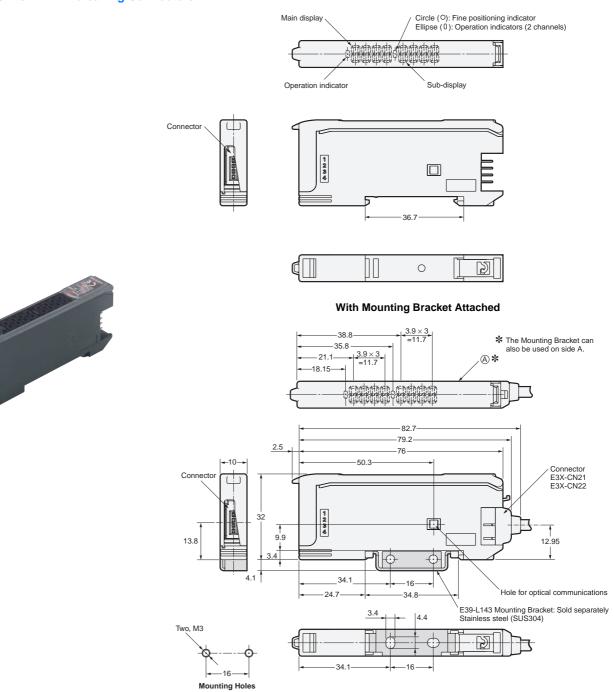


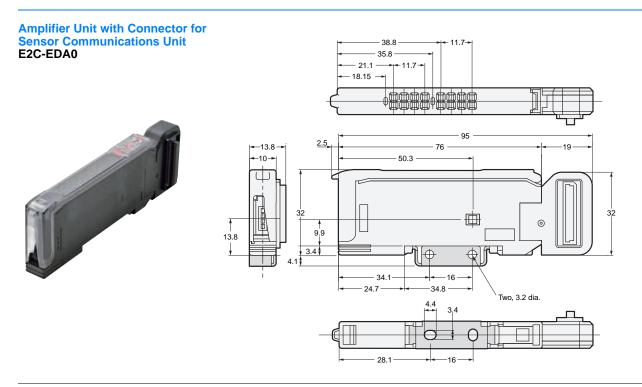
Amplifier Units



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.

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