

# E3X-DRT21/SRT21/CIF11

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CSM\_E3X-DRT21\_SRT21\_CIF11\_DS\_E\_2\_1

## Three New Communications Units for Fiber Amplifiers

### DeviceNet

Communications Unit

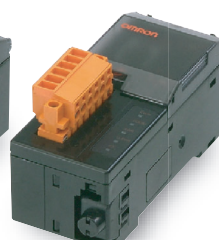
E3X-DRT21



### CompoBus/S

Communications Unit

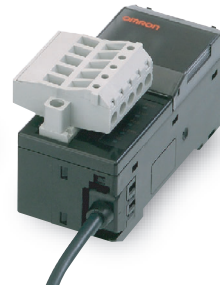
E3X-SRT21



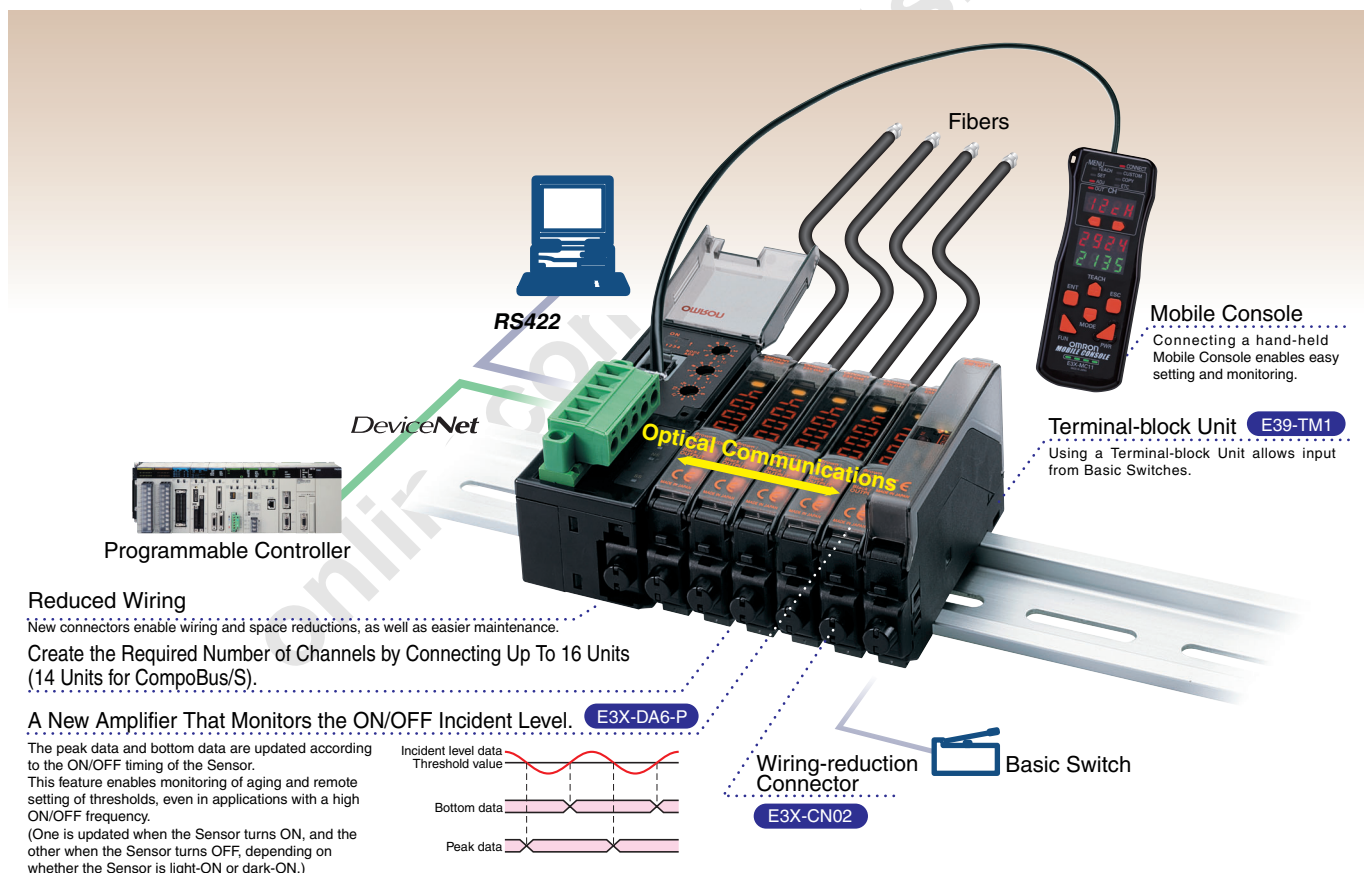
### RS-422

Communications Unit

E3X-CIF11



## Features



## Ordering Information

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## Communications Units

Communications method	Model
DeviceNet	E3X-DRT21
CompoBus/S	E3X-SRT21
RS-422	E3X-CIF11

## Terminal-block Unit

Communications method	Model
All communications methods	E39-TM1

## Fiber Amplifier with Incident Level Monitoring Function\*

Communications method	Model
All communications methods	E3X-DA6-P

## Wiring-reduction Connector\*

Communications method	Model
---	E3X-CN02

\* Order Fiber Amplifiers and Wiring-reduction Connectors as sets.

## Ratings and Specifications

## Communications Units

Item	Model	E3X-DRT21	E3X-SRT21	E3X-CIF11
Communications method		DeviceNet	CompoBus/S	RS-422
Connectable Fiber Amplifiers *1		*2 E3X-DA6, E3X-DA8, E3X-DAB6, E3X-DAB8, E3X-DAG6, E3X-DAG8 E3X-DA6TW, E3X-DA8TW, E3X-DA6-P, E39-TM1		
Number of connectable Fiber Amplifiers		16 max.	14 max.	16 max.
Power supply voltage		11 to 25 VDC	14 to 26.4 VDC	11.4 to 26.4 VDC (12 VDC -5% to 24 VDC +10%)
Internal current consumption *3		70 mA max.	30 mA max.	40 mA max.
Ambient temperature		Operating: -20 to 55°C, Storage: -30 to 70°C (with no icing or condensation)		
Ambient humidity		35% to 85% (with no condensation)		
Weight (packed state)		Approx. 150 g		Approx. 200 g

\*1. Connection is not supported for Pre-wired Amplifiers (e.g., E3X-DA11-N) and water-resistant Amplifiers (e.g., E3X-DA11V).

\*2. Connection is supported for products manufactured on or after the date shown below (indicated with the lot number).

Connection is also supported for models with "MADE IN JAPAN" on the cover underlined.

Lot No. 1 8 6 0 1 — Manufactured on 18 June 2001.

↑ ↑ ↑ Last two digits of the year of manufacture.

↑ ↑ ↑ Month of manufacture. October, November, and December are represented with X, Y, and Z respectively.

↑ Day of manufacture.

\*3. Does not include the current supplied to the Fiber Amplifier.

## Terminal-block Unit

Item	Model	E39-TM1
Power supply voltage *1		12 to 24 VDC ±10%, ripple (p-p) 10% max.
Sensor power supply		11 to 23 VDC (power supply voltage -1 V)
Current consumption		40 mA max. + Sensor current consumption (total: 100 mA max.)
Response speed		1.2 ms max.
Number of inputs		1 point
Input signals		NPN/PNP no-voltage input (contact and non-contact), switchable
Input operating configuration		N.O./ N.C., switchable
Indicators		Input signal display (orange)
Ambient temperature *2		Operating: Groups of 1 to 3 Units: -25 to 55°C (with no icing or condensation) Groups of 4 to 8 Units: -25 to 45°C (with no icing or condensation) Groups of 9 to 16 Units: -25 to 40°C (with no icing or condensation) Storage: -30 to 70°C

\*1. The power supply for the E39-TM1 is provided from the Communications Unit (order separately). Use an E3X-CN02 (order separately) Connector.

\*2. When 4 or more Units are grouped together, the current consumption per Unit must not exceed 75 mA. When using together with the E3X-DA-N Fiber Amplifiers, connect the E39-TM1 Units at the end of the group. In this case, the upper limit for the ambient temperature for the E3X-DA-N Amplifiers is the rated upper limit -5°C.

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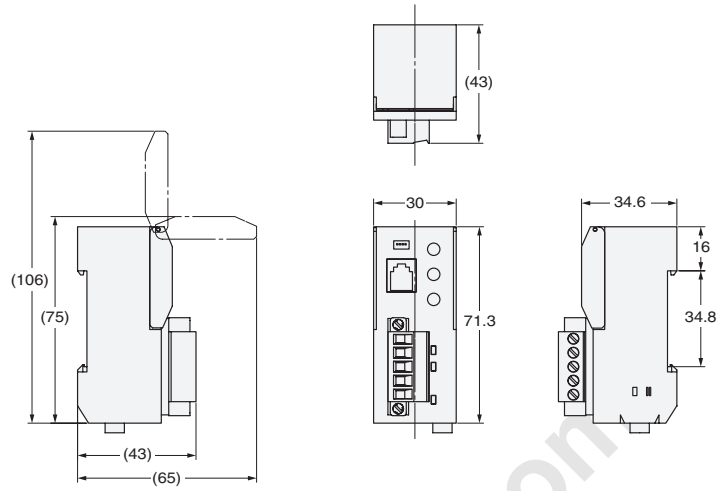
(Unit: mm)

## Dimensions

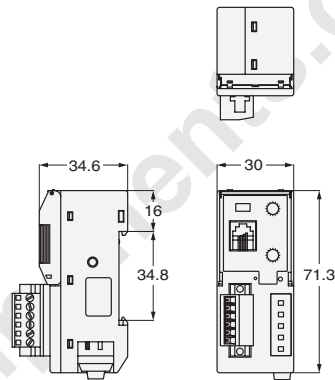
Unless otherwise specified, the tolerance class IT16 is used for dimensions in this data sheet.

### Communications Units

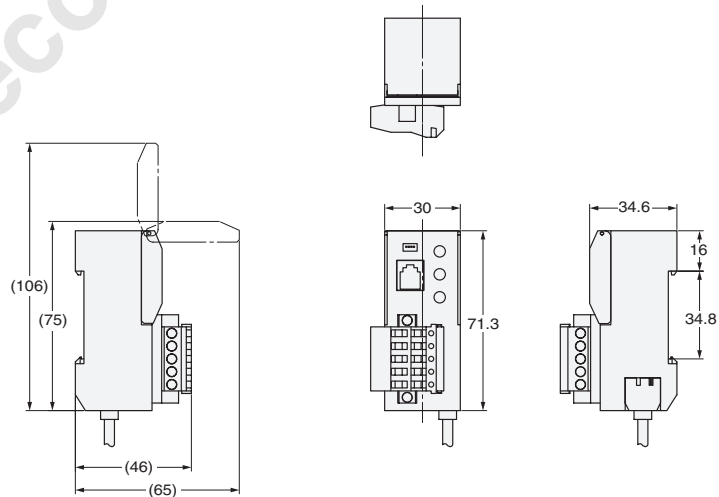
#### E3X-DRT21



#### E3X-SRT21

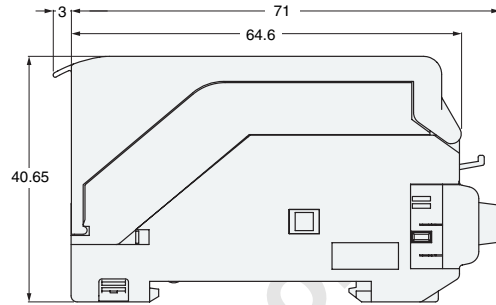
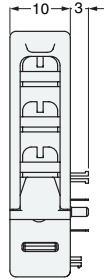


#### E3X-CIF11



## Terminal-block Unit

### E39-TM1



In the interest of product improvement, specifications are subject to change without notice.

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2008.9

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