

Communication unit for fiber amplifier

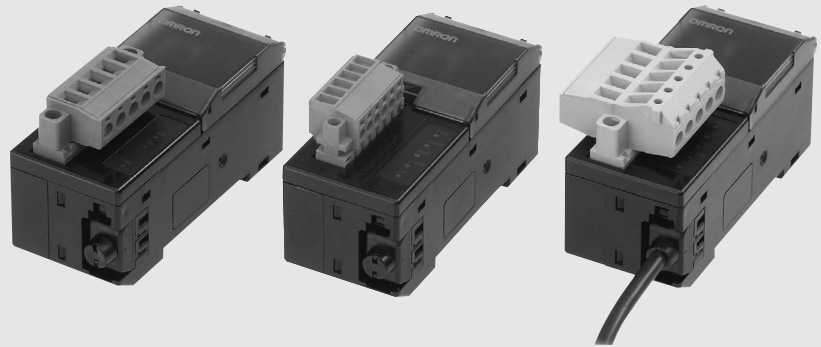
E3X-DRT21/SRT21/CIF11

Three communication units unveiled

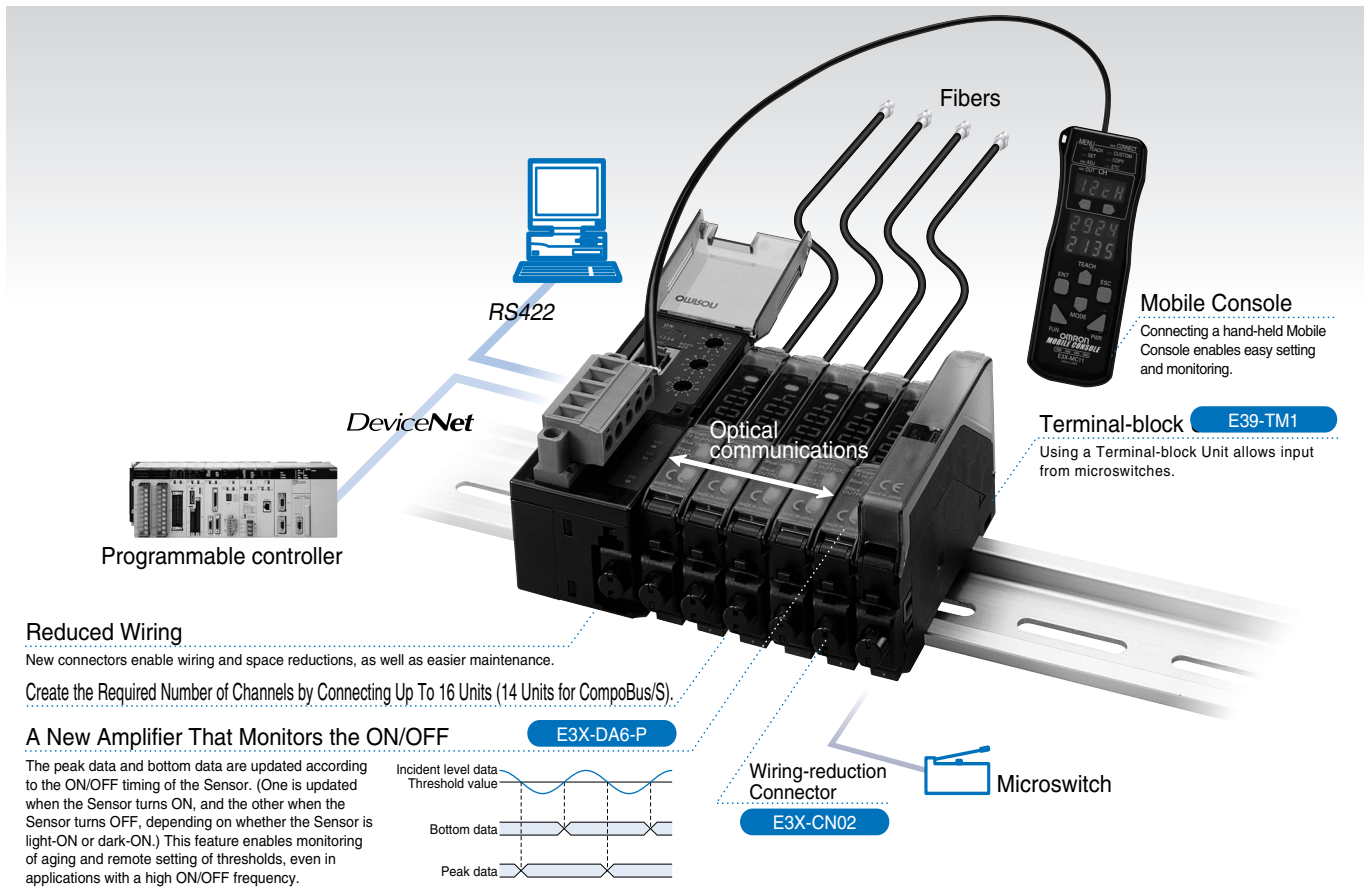
E3X-DRT21 for DeviceNet

E3X-SRT21 for CompoBus/S

E3X-CIF11 for RS422



Features



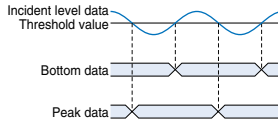
Reduced Wiring

New connectors enable wiring and space reductions, as well as easier maintenance.

Create the Required Number of Channels by Connecting Up To 16 Units (14 Units for CompoBus/S).

A New Amplifier That Monitors the ON/OFF

The peak data and bottom data are updated according to the ON/OFF timing of the Sensor. (One is updated when the Sensor turns ON, and the other when the Sensor turns OFF, depending on whether the Sensor is light-ON or dark-ON.) This feature enables monitoring of aging and remote setting of thresholds, even in applications with a high ON/OFF frequency.



Ordering Information

Communication unit

Communication system	Model
For DeviceNet	E3X-DRT21
For CompoBus/S	E3X-SRT21
For RS422	E3X-CIF11

Terminal block unit

Communication system	Model
General	E39-TM1

Fiber amplifier (with incident level monitoring function)

Communication system	Model
General	E3X-DA6-P

Amplifier Unit Connectors

Communication system	Model
---	E3X-CN02

* Please order the fiber amplifier and wiring-saving connector as a set.

Rating/performance

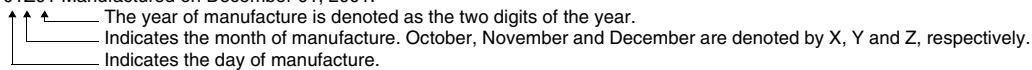
Communication unit

Item	Model	E3X-DRT21	E3X-SRT21	E3X-CIF11
Communication system		DeviceNet	CompoBus/S	RS422
Connectable fiber amplifier *1		*2E3X-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.
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°C to 55°C, storage: -30°C to 70°C (with no icing or condensation)		
Ambient humidity		35% to 85%RH (with no condensation)		
Weight (Packed state)		Approx. 150 g		Approx. 200 g

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

*2. Can be connected with only the product of the following lot number or later.

Lot No. 01Z01 Manufactured on December 01, 2001.



*3. Does not include the current supplied to the fiber amplifier.

Terminal block unit

Item	Model	E39-TM1
Supply voltage *1		12 to 24 VDC ±10%, ripple (p-p) : 10% max.
Power supply for sensor		11 to 23 VDC (supply voltage -1 V)
Current consumption		40 mA max. + used sensor's current consumption (total max. 100 mA)
Response speed		1.2 ms max.
Number of input points		1 point
Input signal		NPN/PNP no-voltage input (contact and non-contact), switchable
Input operation form		N.O/N.C. switch selection
Indicator lamp		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°C to 70°C

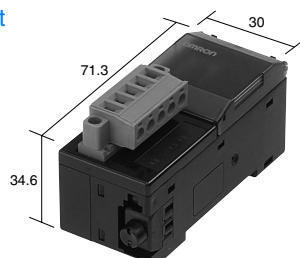
*1. Power to the E39-TM1 is supplied from the communication unit (option). Use the connector E3X-CN02 (option).

*2. When 4 or more units are connected, the total current consumption of each unit should be 75 mA max. For use with the E3X-DA-N series, connect the E39-TM1 at the end. At this time, the upper limit of the ambient temperature of the E3X-DA-N series should be -5°C of the rating.

Dimensions (Unit: mm)

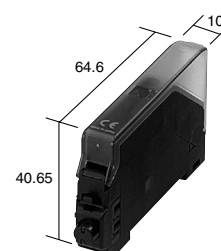
Communication unit

E3X-DRT21
 E3X-SRT21
 E3X-CIF11



Terminal block unit

E39-TM1



For the operating instructions and other details, read the user's manual. (Catalog No.: SCEA-800)

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.