

Carefully read and understand the safety precautions before operation.

The important information is provided to protect your health and property.

Do not apply any other installing or operating procedure other than that described in this manual.

Safety Precautions



- CAUTION OIL is dangerous to wire or attach/remove the connector with the power on. Make sure to turn off the power before correction.
 - before operation.

 Make sure to use the product with the protective cover attached and closed.

 Installing in the following places may result in medimetric.

 - malfunction:

 1. A dasty or steamy place
 2. A place generating corrosive gas
 3. A place directly receiving scattering water or oil.
 4. A place suffered from heavy vibration or impact.
 The product is not designed for outdoor use.
 Do not use the sensor in transient state after power on

 - (approx. 100 ms).

 Do not wire with the high voltage cable or the power line.

 Failure to do this will cause malfunction by induction or

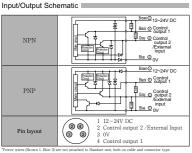
 - indiction the product under trainmanie, exposive gas of liquid environment.

 Do not use the product in water.

 Do not disassemble, repair, or convert the product.

 Failure to do this may cause failure, fire, or electric

This product cannot be used as a safety device to protect human body.

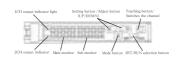


60µs/250µs/2ms (Fast/Standard/Long) NPN / PNP Open collector 100mA / 30V or less (output 1/output 2) Load current : 100mA or less Residual voltage : 1.8V or less n / Dark on ng type in the function | Incorpos...|
| Red LED | Green LeL |
| Glean tight | Green LeL |
| Glean tight |
| Corange (output 1) / 7 segment 8 digit display unit-Orange (output 1) / 7 segment 8 digit display |
| Teaching / Manual adjustment |
| OFF, On delay timer, Off delay timer, Office of the control of the cont PPE : Case PC : Cover type : 65g (Including codes) nnector type : 18g

iffer according to the number of connection.

4-8 machine: -25 to +50°C 9-16 machine: -25 to +45°C (Output current within 50mA) (Output current within 20mA)

Each Part ■



Setting Amplifier

■Attaching and Removing to/from DIN rail

- Attachment of Amplifier Unit
 Hook the claw on the connecting side of fiber cable
 to the DIN rail. Then press down the hook until it
 locks.



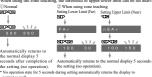
Removal of Amplifier Unit Pushing the unit to the direction of ①, hold up the connecting side of fiber cable and remove the unit.



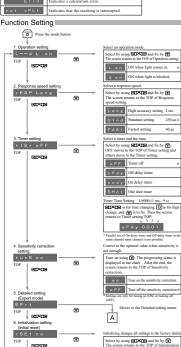


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■ Manual Adjustment
Pressing the UP/DOWN button
is possible. Adjust to any value









■How to use Fine fiber

①Turn adapter cap anticlockwise completely then appropriately insert the fiber.

Be locked by turning adapter cap clockwise

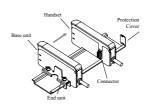
Cut the excess fiber with fiber cutter.



■Expansion of Amplifier Unit

Slide and hook up each amplifier units to DIN rail And fix it with End units from the both sides.

As many as 8 units can be combined with the

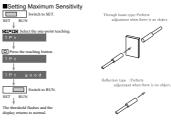


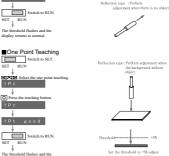
- Make sure to turn off the power before operation.

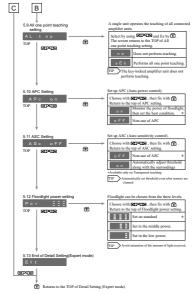
 Make sure to use the DIN rail and the end unit (BEF-BE01-W190) in exp

- n use. the combined units all together from DIN rail.

Adjustment ===







■Precautions for Function Setting

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> 2000 2200

Returning to Normal Display with One Button

Pressing the ① button for 2 seconds or more in setting each functionormal display (RUN mode) without using Eit (Exit).

* Invalid while setting the timer time, number of count, or span slant.





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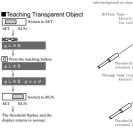








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Change threshold of Alarm output

With Alarm setting (Alarm output need to be fixed at 5.5 Input/Ou threshold (Output timing)can be changed. *Changes are available on Transparent teaching, ASC setting On

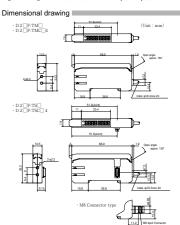
On RUN mode, change to CH2 by pressing and holding
After CH 2 blinks, screen will be changed.

Setting changes are available with



SAM Circuit (ASC = Automatic Sensitivity Control)

This function is valid when Transparent Teaching Mode ■APC (Auto Power Control)



Options III





http://www.optex-fa.com