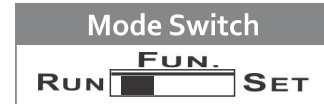
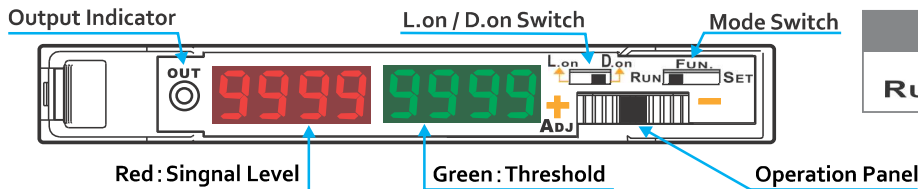


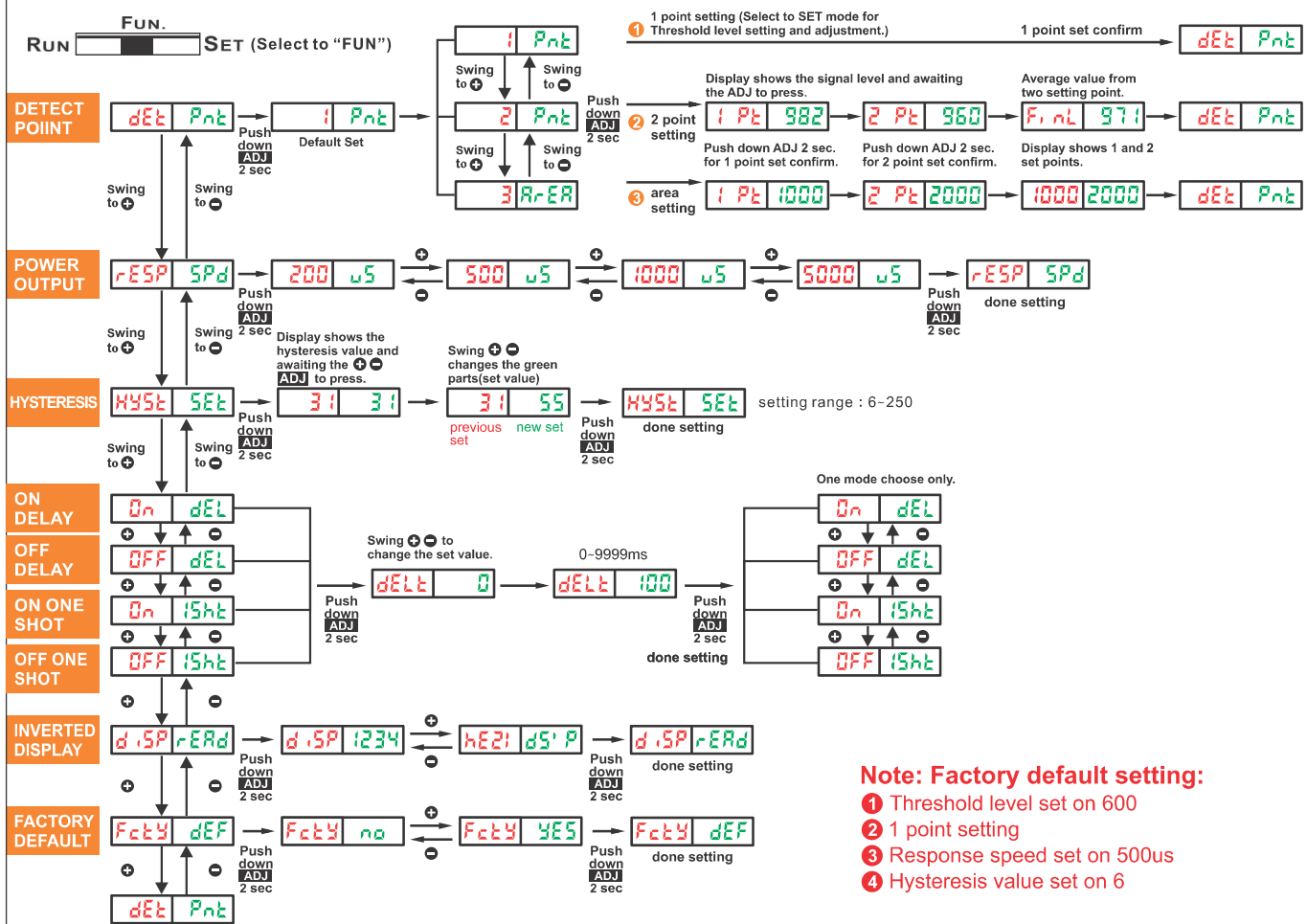
DIGITAL FIBER AMPLIFIER BR301 Series User Manual

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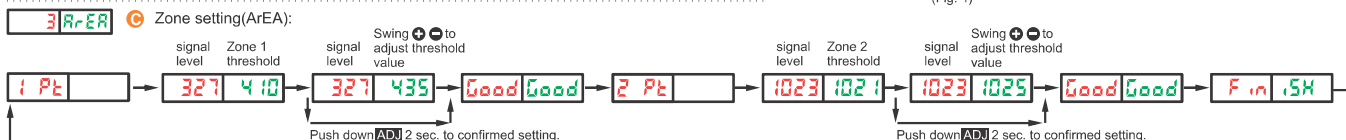
MODE

SETTING



Select to "SET"

- 1 Pnt** A point setting, push down "ADJ" 2 sec., signal and threshold will display same value, then the setting is done. "Fig. 1"
- A-1. Swing "+" & "-" to adjust threshold value, after display shows good then the setting is done. "Fig. 2 or 3"
- 2 Pnt** B points setting, threshold shows average value from 2 points setting. Signal level shows the present value. "Fig. 4"
- B-1. Swing "+" & "-" to adjust threshold value. (same as 1 point setting)
- B-2. Push down "ADJ" 2 sec., restart 2 points setting.
- 3 RrER** C Zone setting (ArEA):



BR301

Fiber Amplifier

Digital Fiber Amplifier

Array Fiber Optic

Anti-Bending Fiber Optic

Plastic Fiber Optic

Glass Fiber

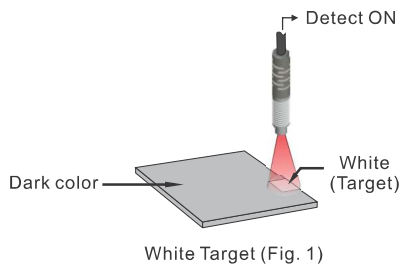
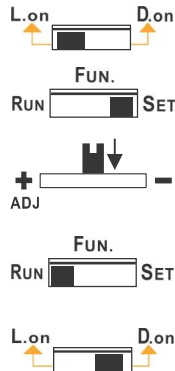
Light Guide

Silica Fiber

Accessories

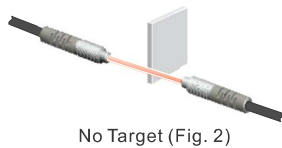
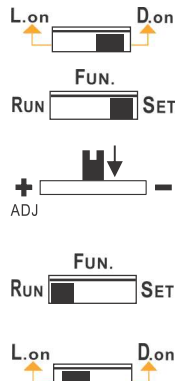
◎Diffuse model Setting

- 1.Set to L.on position
- 2.Select to "SET"
- 3.With Target, Push down "ADJ" 2sec, Auto-Teaching done after blinking stopped. (Fig. 1)
- 4.Finished setting, Return to "RUN"
- 5.If need opposite operating detection, change to D.on position.



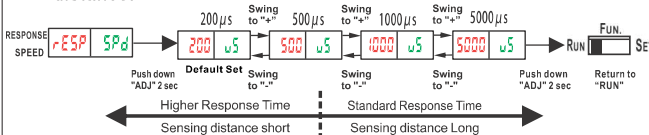
◎Through-Beam model Setting

- 1.Set to D.on position
- 2.Select to "SET"
- 3.No Target, Push down "ADJ" 2sec, Auto-Teaching done after blinking stopped. (Fig. 2)
- 4.Finished setting, Return to "RUN"
- 5.If need opposite operating detection, change to L.on position.



◎ Response Time & Sensing Distance:

※Refer to working area, set to correct response time & sensing distance.



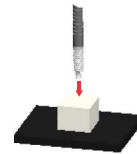
◎Precautions for correct use :

- * Be sure to mount amplifiers to a DIN rail and use end units on both sides when more than two units are connected. Note the ambient temperature when using in a sealed machine box.
- * Be sure to turn off the power before wiring finished.
- * Don't operate the amplifier in the same conduit as power cord or high voltage wire. Use separate conduit to avoid noise immunity and malfunction.
- * Check the power cord to make sure the power supply matches the rated voltage.
- * Connect the ground terminal to the ground when used with a switch.
- * Don't use it outdoors or at a place where outside light can irradiate the receiver directly.

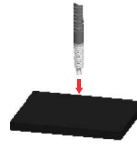
◎ Diffuse model Example of 2-point Teaching

Setting threshold according to targets and environments in any condition :

1st point : Setting with target.

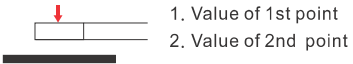


2nd point : Remove target and set up again.



Threshold appears between values of 1st point and 2nd point.

◎Diffuse model Example of Zone setting

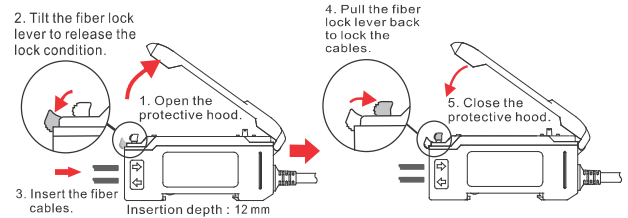


You can set any value for 1st or 2nd point, output works only on value between 2 points.

◎ Fiber cables fixing operation:

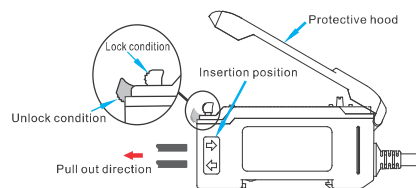
1.Insert the fiber cables

* Open the protective hood and tilt the fiber lock lever to release the lock condition. Referring to the side seal of insertion position, fully insert the fiber cables into the mounting holes until the limit. Pull the fiber lock lever back to lock the cables.



2. Pull out the fiber cables

* Open the protective hood and tilt the fiber lock lever to release the lock condition. Pull the fiber cables straight out from the mounting holes.



1. To protect the fiber cables from incorrect operation, **be sure to tilt the fiber lock lever to release the lock condition before pulling out the fiber cables.**
2. Pull up the protective hood forcefully may damage the fixing pin of the hood (**not exceed 180 degrees**).