

雙數顯放大器

Digital Fiber Amplifier

BR302

Fiber Amplifier

Digital Fiber Amplifier

Array Fiber Optic

Anti-Bending Fiber Optic

Plastic Fiber Optic

Glass Fiber

Light Guide

Silica Fiber

Accessories

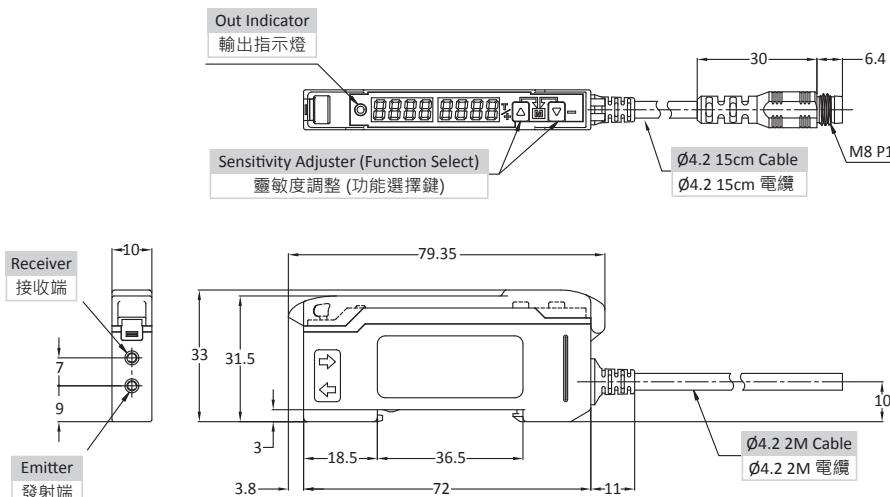
Characteristic / 特點 :

- Easy to install.
/ 設定方便，容易上手
- Numeric displays, interactive prompts.
/ 雙數顯字型面板，運算速度迅速，且提供使用者調整靈敏度提示
- Applications focus on many industries, such as semiconductor assembly, handling technology and packing.
/ 此產品可應用在許多產業中，包含半導體裝卸作業和包裝產業等
- Response time selectable: (200、500、1000、5000)μs.
/ 4段速度選擇 : (200、500、1000、5000)μs
- Depends on the mounting direction, the digital display of BR302 can be inverted.
/ BR302的雙數顯字面板，可依照您安裝的方向，而作反轉調整，方便讀取



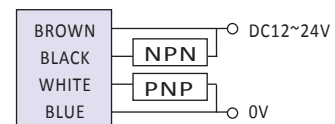
Model / 型號	Pre-wired Ø4.2	BR302-NP
	M8 pigtailed type	BR302-NPB
Emitting light / 發光源		紅色 LED 660nm
Operating voltage / 工作電壓		DC12 ~ 24 ± 10%
Current Consumption / 消耗電流		最大 75 mA Max. (+12VDC) , 45 mA (+24VDC)
Load current / 負載電流		100mA ±10% at DC 24V
Output / 輸出模式		NPN L.on / D.on PNP L.on / D.on
Protection circuit / 保護電路		逆接極性保護，過電流保護
Response time / 反應時間		on : 最快 200 μs, off : 最快 200 μs (200、500、1000、5000) μs
Indicators / 指示燈		輸出指示燈 : 紅色 LED
Sensitivity adjustment / 靈敏度功能		4 位數值 (53-9991) , (27-3982)
Insulation resistance / 隔離阻抗		最小 20M Ω (DC500V)
Voltage withstandability / 絕緣耐壓		AC500V 60Hz 持續 60 Sec.
Operating temperature / 工作溫度		- 10 °C ~ + 60 °C
Ambient humidity / 工作溼度		35% ~ 85% RH
Protection degree / 防水等級		IP50
Material / 外觀材質		ABS
Wiring method / 出線方式	BR302-□	NP出線式 Ø4.2 x 2M / 4 線
	BR302-□B	M8 出線式接頭型
Weight / 重量	BR302-□	約 65 g
	BR302-□B	約 30 g

Dimensions / 尺寸圖 (mm)

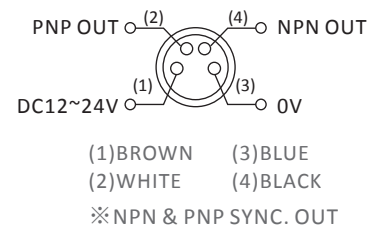


Wiring diagrams / 接線圖

NP 輸出



NPB 輸出

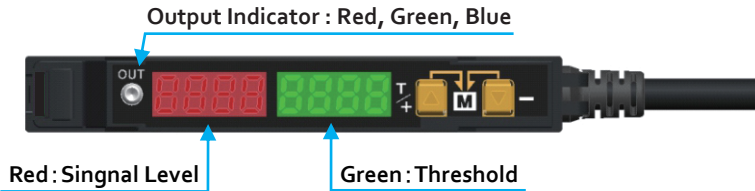


DIGITAL FIBER AMPLIFIER BR302 Series User Manual

RiKO
www.riko.com



Press **▲** + **▼** both button to enter setting function (Mode)



MODE

SETTING

Out put mode

Response speed

Timer

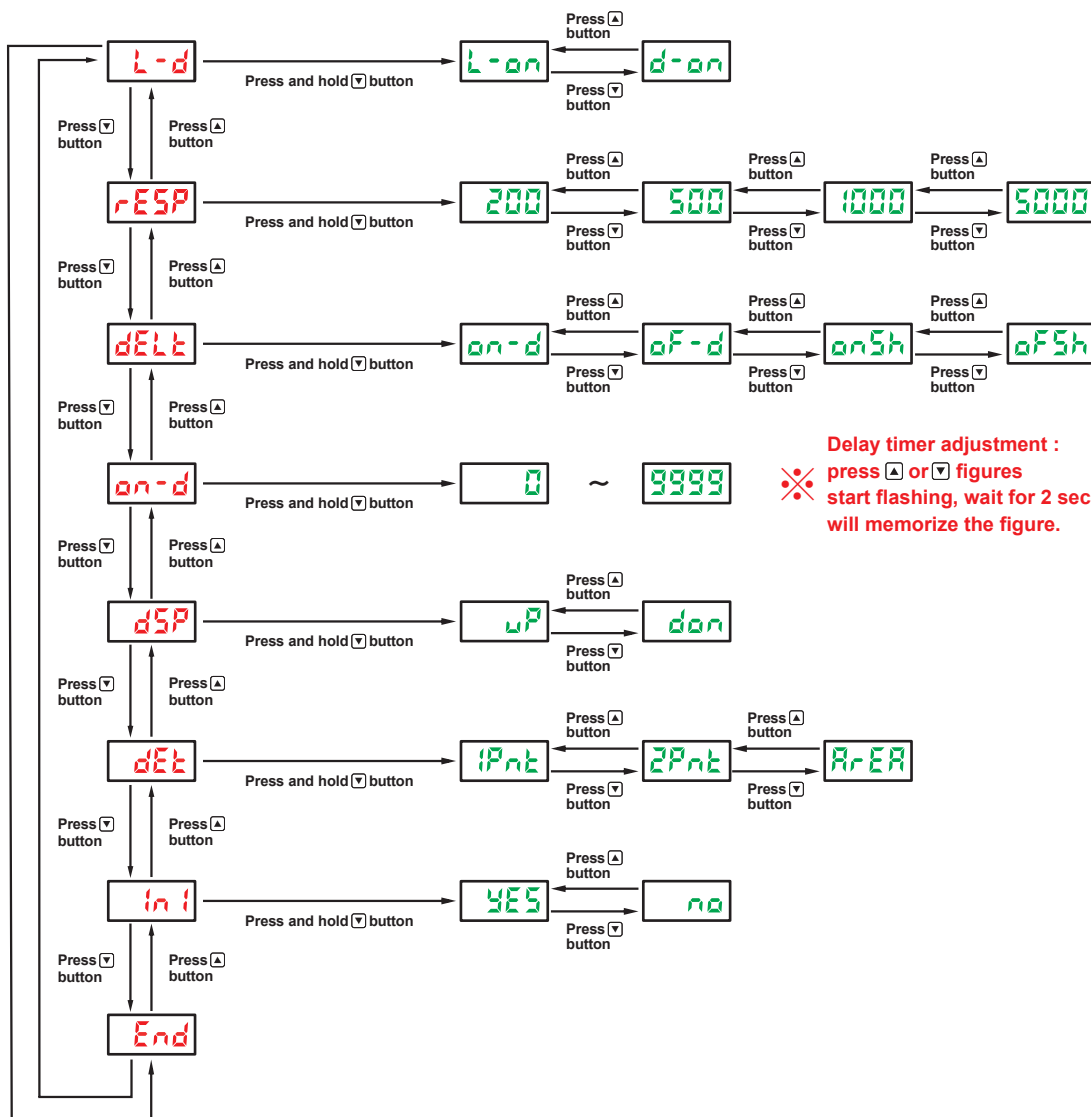
Time setting

Inverted display

Teaching point

Factory default

End



Press **▲** + **▼** both button to enter setting function (Mode)

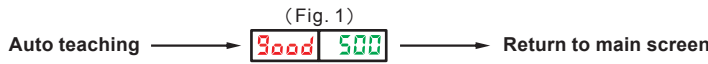
1. Mode selection:

- (1) Press and hold **▲** button 2 sec., return to "main screen" (**▲** press after 2 sec., out LED light green)
- (2) Press and hold **▼** button 2 sec., enter "setting selection" (**▼** press after 2 sec., out LED light blue)
- (3) Press **▲** or **▼** to switch "Mode page"

2. Settings:

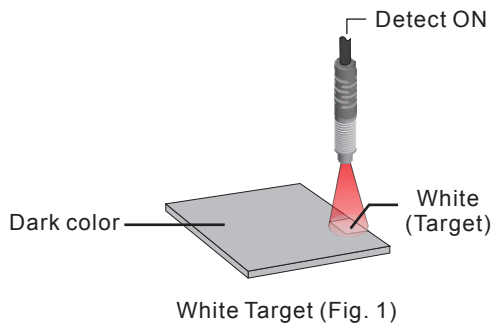
- (1) Press and hold **▲** button 2 sec., return to "main mode", remains last setting (**▲** press after 2 sec., out LED light green)
- (2) Press and hold **▼** button 2 sec., confirm the setting (**▼** press after 2 sec., out LED light blue), auto return to setting page.
- (3) Press **▲** or **▼** to switch "setting page"

1 point setting

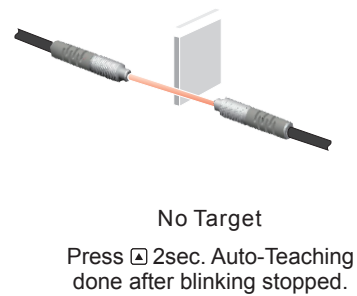


A. select 1 point setting, press and hold button 2sec., red screen shows "good", Green screen shows " threshold figures", then setting is done(fig. 1)
 ※L.on / D.on selections, please go to "out put mode" to swap.

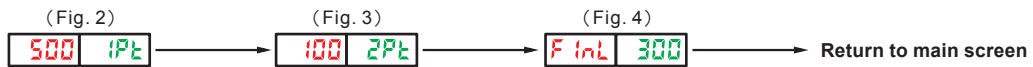
Diffuse model Setting



Through-Beam model Setting



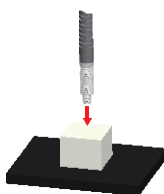
2 point setting



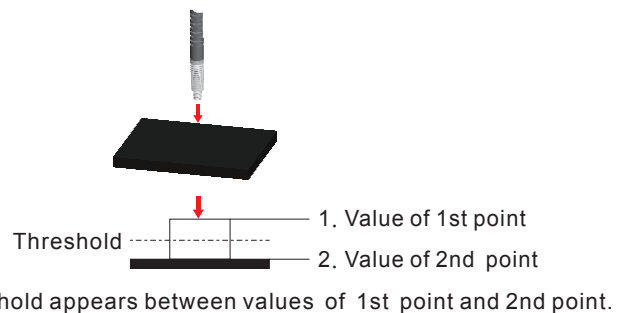
- B-1. Select 2 point setting, press and hold button 2sec., red screen shows "signal feedback"(flashing), Green screen shows "1Pt" (fig. 2)
- B-2. press once, the figure on red screen "signal feedback" will be captured, then first point is settled.
- B-3. after first point is settled, main screen goes to second point setting. red screen shows "signal feedback"(flashing), Green screen shows " 2Pt" (fig. 3).
- B-4. press once, the figure on red screen "signal feedback" will be captured, then second point is settled.
- B-5. red screen shows "FinL", green screen shows the settled figure (middle of first and second points) (fig.4)

Diffuse model Example of 2-point Teaching

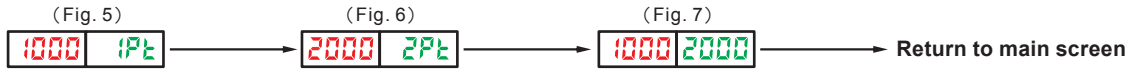
1. Teaching set with target on position.



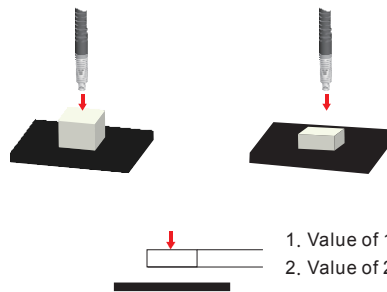
2. Teaching set with NO Target



Area setting



- B-1. Select Area setting, press and hold \square button 2sec., red screen shows "signal feedback"(flashing), Green screen shows "1Pt" (fig. 5)
- B-2. press \square once, the figure on red screen "signal feedback" will be captured, then first point is settled.
- B-3. after first point is settled, main screen goes to second point setting. red screen shows "signal feedback"(flashing), Green screen shows "2Pt" (fig. 6).
- B-4. press \square once, the figure on red screen "signal feedback" will be captured, then second point is settled.
- B-5. red screen shows first point threshold, green screen shows second point threshold (fig.7)



Set first and second point, detect any figures in between.

- 1. Value of 1st point
- 2. Value of 2nd point

- (1)Single point setting
- (2)Two points setting



(3)ArEA



Threshold figures adjustment

- A. When in (1) one point setting, (2) two point setting, press once \square or \square the threshold figures start flashing (fig.1), press again \square or \square to start adjustment, leave and wait 2sec. will memorize the figures.
- B-1. When in (3) Area setting, press once \square or \square the first threshold figures start flashing(fig.2), press again \square or \square to start adjustment, leave and wait 2sec. will memorize the figures.
- B-2. After first point settled, second point figures show up. press once \square or \square the second threshold figures start flashing (fig.2), press again \square or \square to start adjustment, leave and wait 2sec. will memorize the figures.