

Fiber Optic Sensor Amplifier FSB1□

CE



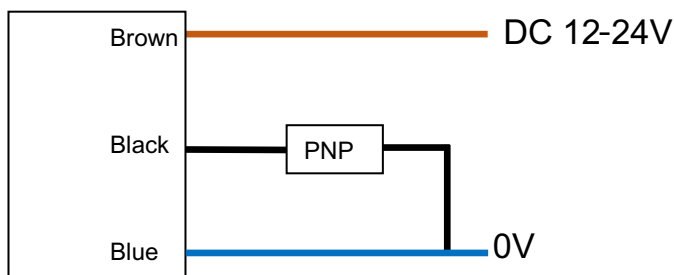
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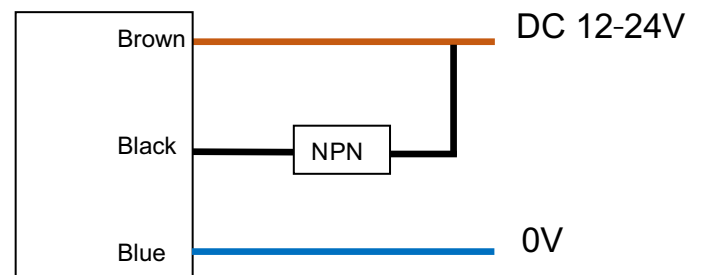
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Wiring Diagram



PNP Output



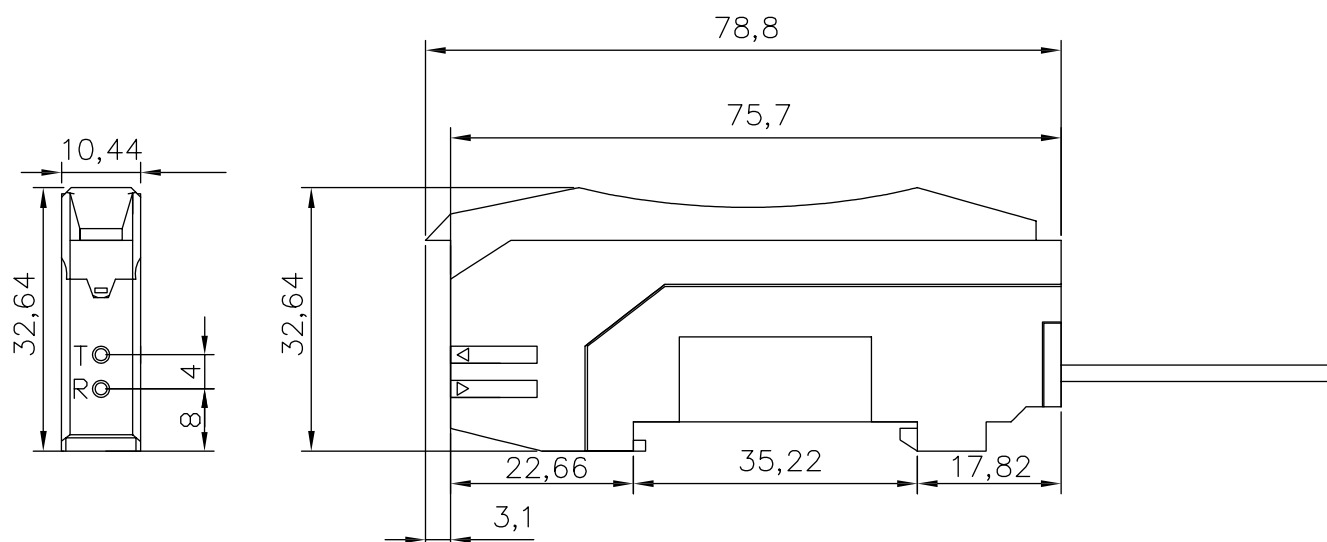
NPN Output

Type Selection

OUTPUT	CONNECTION	TYPE	ORDER NO.
NPN	Cable	FSB1N	3030001
PNP	Cable	FSB1P	3030002

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Dimensions



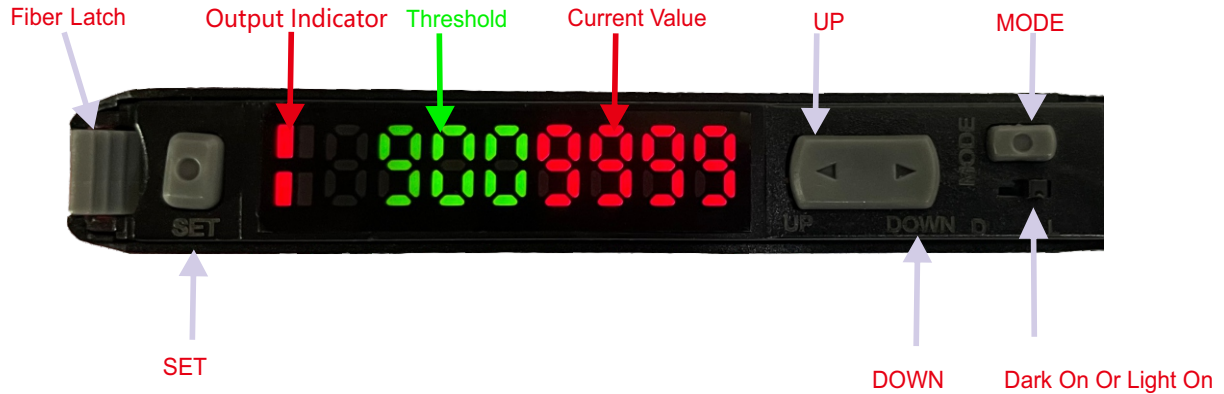
Specifications

Rated Operating Distance	Fiber dependant
Sensitivity	Adjustment by buttons referring to instruction
Response Time	100 to 3200 μ s
Temperature drift	<0.2%/°C
Hysteresis	< 20% of sensing distance
Ripple	<10%
Rated operational voltage	12 to 24VDC
Output current	55 mA
Light On Or Dark On	Selected via buttons
Protection	Short-circuit, reverse polarity , transients
Light source	Red LED, 630nm
Operating Temperature	-20°C to +55°C
Housing material	ABS
Connection Cable	PVC, Black 2m, 3 wires
Degree of protection	IP40
Dimension	10X33X80mm

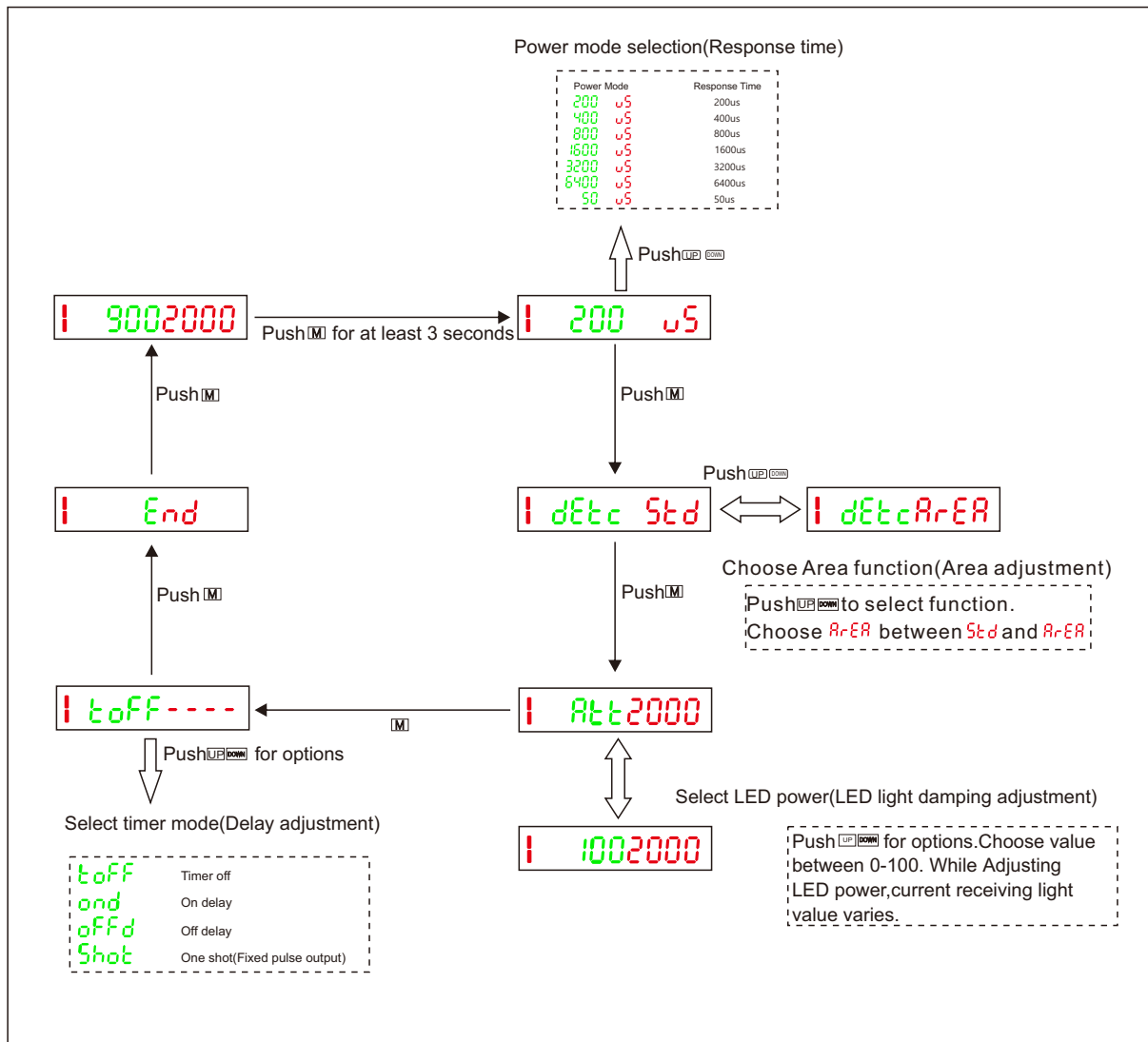
Fiber Optic Sensor Amplifier

FSB1□

Parts Description

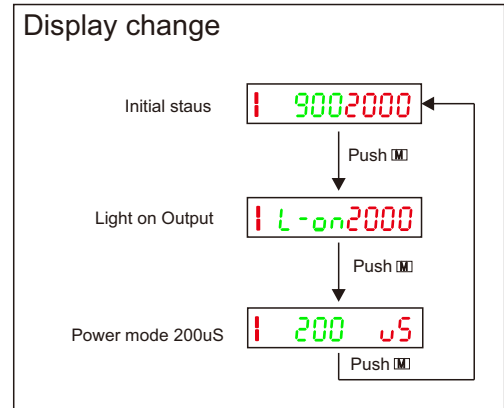
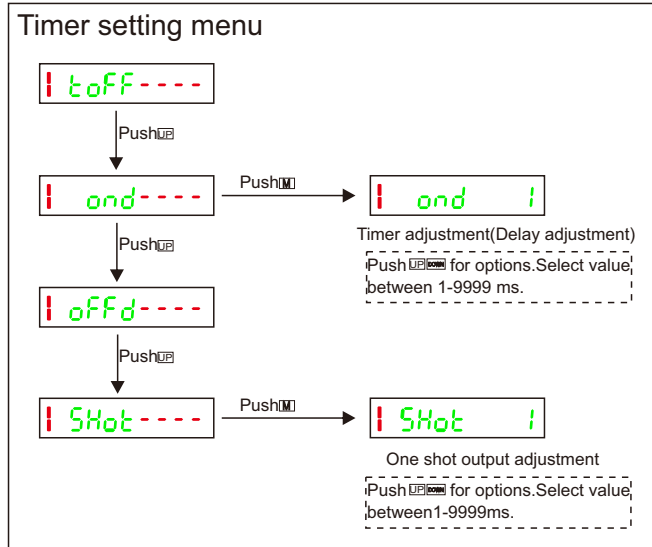


Parameters Setting



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Parameters Setting



Shortcut Key Setting

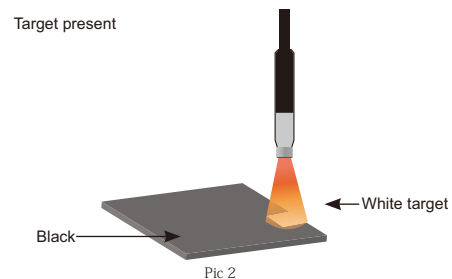
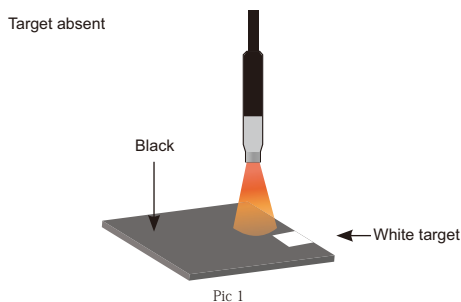
Initial setting (Restore the default setting)

Under any situation, Push and simultaneously, appears, system goes back to factory default setting.

Keypad lock

Under any situation, Push and (or) simultaneously for 3 secs, appears, keypad locks.
In key lock status, Push and (or) simultaneously for 3 secs, appears, keypad unlocks.

Sensitivity Adjustment



Static teach

1. Without target presence in front of fiber unit (shown as pic 1), push SET key.

2. With target present in front of fiber unit (shown as pic 2), push SET key.

Threshold value is half of the sum of values when target and background is in front of Fiber unit respectively, after flash three times, setting is done.

Dynamic teach

1. While target going through the fiber unit repeatedly, push SET at least 3 secs.

While teaching, SET flashes in the display. After teaching, threshold value is stored and setting is done.