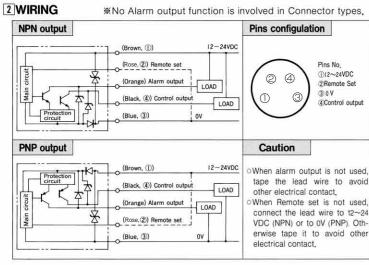
	4 AM • Amplifi • Assem
Fiberoptic Sensor	①Latch on DIN Bracke
JRF-T	Bracke
·JRF-T	
	<ul> <li>Remov</li> </ul>
INSTRUCTION MANUAL	@Pull off driver.
Confirm if the item meets your needs.     Before the use, you should first thoroughly read	
this manual and operate correctly as mentioned.	
<ul> <li>You should keep this manual at hand for proper use.</li> </ul>	®Push th

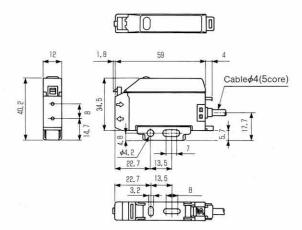
### **1**SPECIFICATION

	Cable type	M 8 Connector type
Туре	JRF-T (N,P)	JRF-TC (N,P)
Supply voltage	DC12~24V including 10% of ripple	
Current consumption	50mA Max	
Response time	300∕600µs selectable by switch	
Light source	Red LED	
Indicator	Operation (Red) / Stability (Green) indicator	
Control output	open collector Max 100 mA/DC30V	
Alarm output	Open collector Max 30mA/DC30V	Not equipped
Timer function	OFF delay fixed at 40ms 💥 I	
Remote set function	Equipped	
Circuit protection	Reverse protection, Over current protection	
Ambient temperature	-25~55°C/35~85% (no freezing)	
Environmental illuminance	Sunlight : 100001x max. Incandescent light : 30001x max.	
Protection category material	IEC IP66 Case : ABS cover : PC	

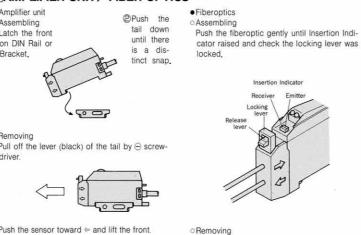
#1 OFF delay timer can be turned off by switch.



# **3 DIMENSIONS**



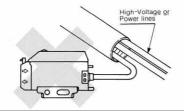
#### **4 AMPLIFIER UNIT / FIBER OPTICS**



Removing Push the release lever to pull off the fiberop-

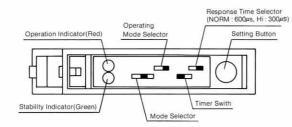
# **5 OTHER PRECAUTIONS**

- Be carefull not to install the sensor at the following locations, as it may otherwise malfunction.
- Where a lot of dust, Vapor, or the like is present.
- Where corrosive gas is produced.
- Where water, oil or the like flies directly onto the sensor.
- Where strong vibration or shock is caused to the sensor.
- O Do not use organic solvent, such as thinner, to remove contaminants from the body case, lid, and lens which are all of prastics. Using a dry rag, just wipe clean.
- ○When a swiching regulator is to be used with a power supply, be sure to ground the Frame Ground Terminal.
- Do not use the sensor in a transient state at power on. (about 100ms)
   Do not run sensor cable near a high-voltage lines, or power lines or put them together in the same raceway. This warning should be strictly observed to prevent malfunctions caused by inductive interference.



Must not use this item as safety equipment for the purpose of human body protection.

# **6 NAME OF PARTS**



# **7**SENSITIVITY ADJUSTMENT

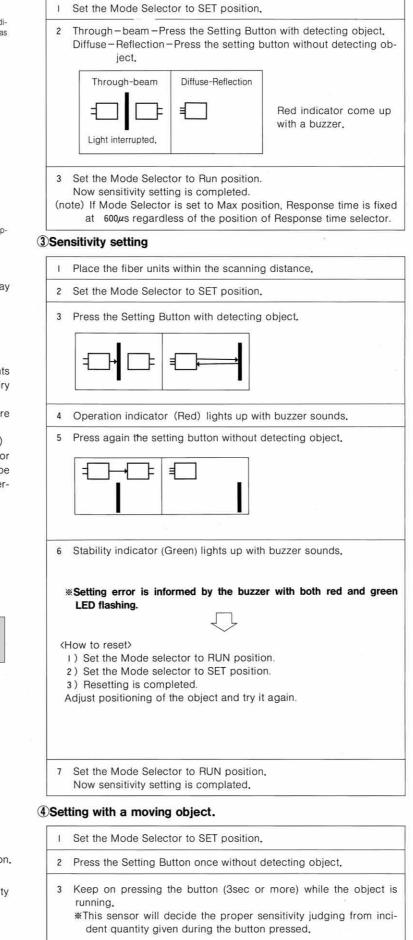
\*At first, set the Response Time Selector to Hi posion or NORM position. (Notice)

Scanning distance will be shorten to  $70 \sim 80\%$  of maximum capability with Response Time Selector at Hi position.

(Maximum Sensitivity setting. (NORM position)

 Set the Mode selector to the MAX position. Now the sensitivity setting is completed.

### ②Maximum sensitivity setting (Hi positon)

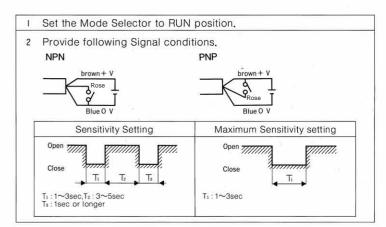


4 Release the Setting Button.

\*If sensitivity can not be set, repeat step 1-5 after reset (refer to section 3-6)

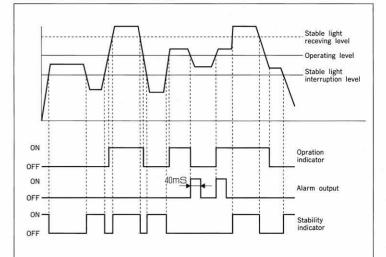
#### **BREMOTE SET FUNCTION**

A remote adjustment of sensitivity is available without pressing Set Button.



### **JALARM OUTPUT FUNCTION**

Allowances for the received light amount are shown by stability indicator, also giving an outoput signal.



#### **10OPTICAL ALIGNMENT (THROUGH-BEAM)**

When through-beam fiber unit are used, possible to search the adequate alignment by knowing a peak quantity of optics.

I.	Set the Mode selector to SET position.		
2	Move the fiber unit while pressing the setting button. (3 sec or more)		
3	Stability indicator (Green) lights up. • Then move the fiber unit till Stability Indicator goes off. • Try to find the point which Stability Indicator flashes. • Then try to find the point at which Stability Indicator stop flas ing but lights up. • (Green LED OFF) • (Green LED ON) • (Green LED ON)		
4	Release the setting button.		
5	Set the Mode selector to MAX position,		
6	Set the Mode Selector to SET position.		
7	Try the sensitivity adjustment.(refer to section 7)		

- Specifications and equipment are subject to change without any obligations on the part of manufacture.
- For more information, questions and comments regarding products, please contact us below.

Manufactured and sold by:



600-8815 Kyoto, Shimogyo, Awata Chudoji 93, Japan TEL.+81-(0)75-325-2920 FAX.+81-(0)75-325-2921

Website : http://www.optex-fa.com