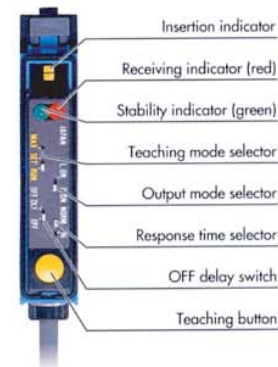


An IP66 Environmental Rating Makes The JRF-T Amplifier Ideal For Use In The Most Demanding Applications.

JRF-T SERIES

With Teach-in function

High grade fiber-optic sensor with Teach-In function and multiple operating modes.



Advanced TEACH-IN Method Simplified operation : multiple teaching modes

Teaching with moving object



Press Teaching button more than **3 seconds**.

- For ● To count falling pills
- To detect small/thin object

This mode provides the most accurate setting in through-beam application.

2-Point teaching



Push the button **twice**
High resolution: **0.2mm**

- For ● Color mark recognition
- Small level distinction

In this mode, the teaching button is pushed twice. The switching point is set in the middle between the bright and dark values.

1-point teaching (Don't use Alarm output)



Push the button only **one time**.

- For diffused application:
 - To detect IC chip
- For through-beam application:
 - To detect thin wafer
 - To count IC lead

In diffused application, sensitivity can be adjusted that the sensor does not detect the background. In both through-beam/diffused application, it is not necessary to have object when teaching.

MAX teaching



Just select **MAX** position of mode switch.

- For ● Long range sensing
- Under severe environment
- Simple applications: Without background./ Object size is big!

Sensitivity can be adjusted at the maximum. In this mode, response time is fixed at 600 μ s.

Features

External remote teaching

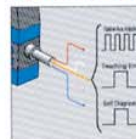


Teaching procedure can also be carried out by external remote input line instead of pushing the button. This function is suitable for: Not possible to operate the sensor by hand, directly. The sensor is mounted in any dangerous area. Sensitivity for a number of sensors can be adjusted in the same timing.

Switchable response time: 300 μ s/600 μ s

For application, which requires Hi-switching frequency, response time of JRF-T can be changed at 300 μ s by selector.

Alarm output in each teaching mode

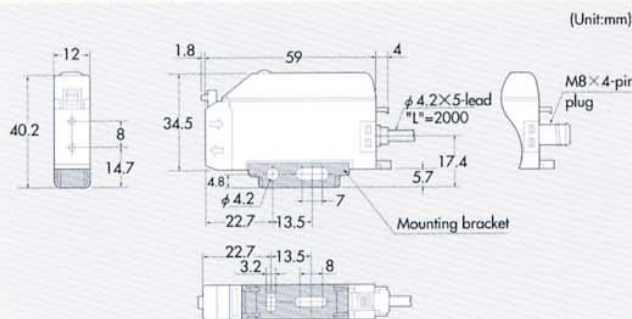


Conventional alarm outputs employ a self diagnosis circuit when the receiving light signal becomes weak. In addition to this signal, the JRF-T also outputs when teaching error is occurred.

OFF delay timer: 40ms

Waterproof: IP66

Dimensions



Connection diagram

