

The photo sensor is composed of an optical head and amplifier connected with a fiber optic cable.

This allows installation of the detecting head that contains no electronic components at a high temperature location and of the amplifier containing electronic components at a remote location.

## Type/Price

Туре	Model	Overview	
Amplifier	FT-L101	Transmitter	
	FT-R101	Receiver	
Fiber optic cable	GT205AD	Fiber length	0.5m
	GT21AD		1m
	GT22AD		2m
	GT23AD		3m
	GT25AD		5m
	GT27AD		7m
	GT210AD		10m
Optical head	OHC	Heat resistance 200°C, IP 67	
Lens unit	FA51	Square	
	FA52	Round	
Adapter	FT101-AD2	Adapter for OHA	

#### Simplified combination

Detecting distance: 1.5-2.7 m (depending on fiber optic cable)
Order example

 Product name
 Model
 Quantity

 Sensor main unit
 Transmitter
 FT-L101
 1

 Receiver
 FT-R101
 1

 Lens unit
 (Respective model)
 2

 Fiber optic cable
 (Respective model)
 2

#### Features

- Wide power supply range
   Wide range of power voltage 100-240 VAC.
- Light emission monitor and 3-point level indicator
   The transmitter is provided with light emission monitor
   circuit, which outputs alarm signal when light emission
   stops due to failure, etc. The receiver has 3 LEDs for
   checking the received light intensity level, offering easy
   checking of stability and light axis alignment

#### Adapter

 An adapter is required to use an OHA optical head.
 Adapter for OHA
 Model FT101-AD2

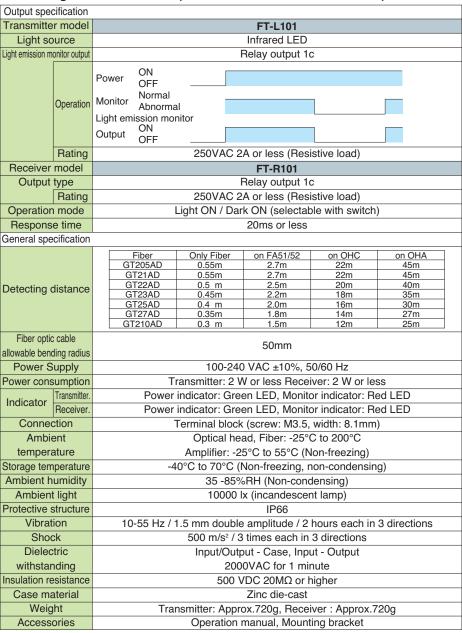
#### Standard combination

Detecting distance: 12-22 m (depending on fiber optic cable)

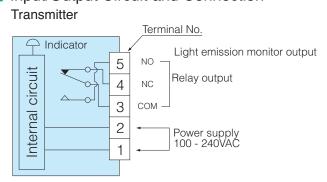
Order example

Product name		Model	Quantity
Sensor	Transmitter	FT-L101	1
main unit	Receiver	FT-R101	1
Optical head		OHC	2
Fiber optic cable		(Respective model)	2

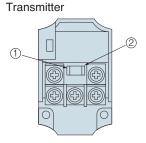
#### Rating/Performance/Specification/Environmental Specification



### Input/Output Circuit and Connection

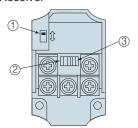


# Operation and Switch Setting



①P.L: power indicator ②OP.L: light emission monitoring operation indicator Illuminated when transmitter is functioning normally.

#### Receiver



- ①Light ON/Dark ON selector switch Set according to the situation L.ON: signal output when light from transmitter is received. D.ON: signal output when light is blocked
- ②Operation indicator Illuminated when output is activated.
- 3Level indicator

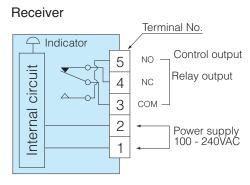
A set of 3 LEDs indicates stability. LEVEL 1: illuminated when light intensity of about twice as

much as operation level is

detected.

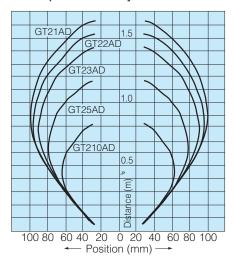
LEVEL 2: illuminated when light intensity of about four times as much as operation level is detected.

LEVEL 3: illuminated when light intensity of about eight times as much as operation level is detected.

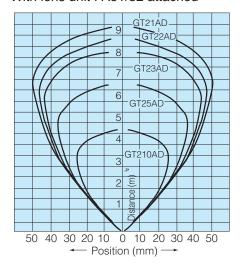


# FT101

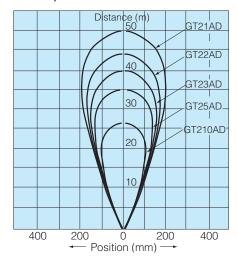
- Response Curves: Beam Pattern (Typical)
- Fiber optic cable only



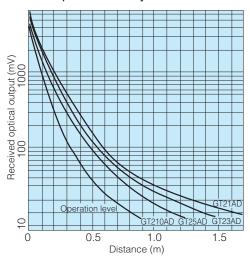
• With lens unit FA51/52 attached



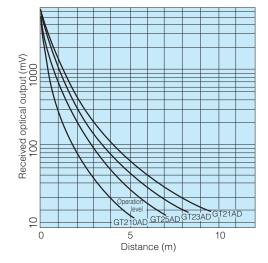
With optical head OHC attached



- Excess Gain Curves (Typical)
- Fiber optic cable only



With lens unit FA51/52 attached



With optical head OHC attached

