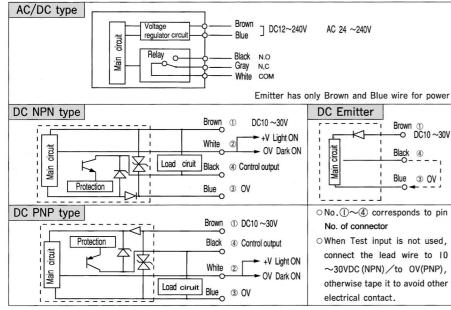


INPUT AND OUTPUT CIRCUIT DIAGRAMS



Adjusting the optical axias.

○ Through-beam type

- 1. Install the emitter and the receiver opposite to each other so that the optical axis lines up
- 2. Swing the emitter and the receiver vertically and from side to side, and fix each at the midpoint in the range where the indicating lamp at the receiver lights up

○ Reflection type

DIMENSIONS

Swing the sensor vertically and from side to side, an and fix it at the mid-point In the renge where the indicating lamp lights up

●TEST INPUT function

(Available only in DC type Emitter) When the Test input wire is connected to OV, an interrupted status is electrically invented by

stoppage of emission. This function can be used as on operational check of the sensor by electric interrupted state without detectable object.

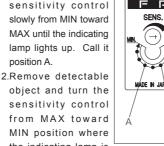
2m cable ϕ 6.2(AC/DC)

φ3.8(DC)

M12

Adjusting the sensitivity control 1.Set the detectable

object at the detection position and turn the sensitivity control slowly from MIN toward



- the indicating lamp is extinguished. Call it position B.
- 3.Point C midway between A and B is the optimum sensitivity position

BGS performance

BGS types give stable sensing regardless of



Small BGS series

24

M8 Connecto

Other precautions

• Where corrosive gases are produced

O Do not use organic solvent, such as thinner, to

remove contaminants from the body case, lid and

lens which are all of plastics. Using a dry rag,

 $\odot \, \mbox{When}$ a switching regulator is to be used with a

O Avoid wiring together with high voltage or motor

line in order to prevent the sensor form noise.

O Do not use the sensor in a transient state at

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

power supply, be sure to ground the frame

ction :

present

the sensor.

the sensor

just wipe clean.

ground terminal

power on. (about 150 ms)

3

1

Inter-change of M12 connector



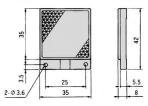
○ Connectors are inter -changeable between horizontal and vertical mode. Make sure to turn the

connector as shown, otherwise you will damage the connctor.

O Set up the stopper to fix the connector.

0.9 1.3 50.9 8.5

○ Optional reflection mirror Type V-42



Specifications and equipment are subject to

• For more information, questions and comments

regarding products, please contact us below.

OPTEX OPTEX FA CO.,LTD.

Takehanadonomaecho 46-1, JAPAN

change without any obligations on the part of

(Unit:mm)

(Unit:mm) V2 series Small BGS series .91 ℁Through beam 54 Retro-reflection 29 *Long range 36.8 BGS 54 0) 0) Short range 34.8 0) S adjustor (except DC Thro 0) 20 43 23.7 M4 Screw 17 M3 Sc 6 48.5 axis* *ixis 6 Optical (0) 8

607-8085 Kyoto, Yamasł Te1:+81-(0)75-594-8123 Fax:+81-(0)75-594-8124 Website : http://www.optex-fa.com

М8

manufacture

Manufactured and sold by:

0531136

V2 series 1 Pin No 2 4 3 ()DC10~30V MI2 Connector

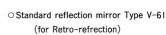
②Connect to + V Light ON Connect to OV Dark OV

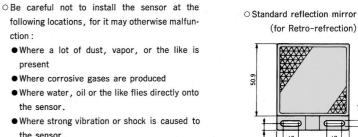
(3)OV (4)Control output

Stoppe

Vertical→Horizontal







OPTEX -R

object and turn the sensitivity control from MAX toward MIN position where

colors on objects. Technical details is refered in the catalogue.