Photoelectric Sensor

V3,V4 SERIES

·V4T/V3T-7000

DC Type

·V4R/V3R-1200

·V4D/V3D-200

INSTRUCTION **MANUAL**

- Confirm if the item meets your needs
- · Before the use, you should first thoroughly read
- this manual and operate correctly as mentioned. • You should keep this manual at hand for proper use

HOW TO USE

Cable type

SPECIFICATIONS

urrent Consumption

ensitivity Adjustment

Ditecting Distance

Operating Mode

Control Output ental Sun Ligh

Ambient Humidity

0 @DC10..30V 88 88 @0V ③Control Output

Through Beam

70m

Install the cables to match the connection terminal No. as shown below Terminal Chamber type M12 Connector type Ouse either lead-in opening A or B according to the installation method

Retro Reflection

35mA max.

12m / Reflector V-61

One turn volume 0.5ms max.
Output indicator (orange LED) / Stable indicator (green LED)

10.000ly

-25∼55°C 35~85%/RH

-40~70°C/35~95% RH $\mathsf{Min.20M}\,\Omega/\mathsf{DC500V}$

10~55Hz amplitude1.5mm X, Y, Z each 2h

IEC 144 IP67

Light ON/Dark ON selectable by Volume
Open collector DC30V, 100mA max. (Residual voltage 1.8V max

ing ripple (P

Type | V4T-7000N,P | V3T-7000N,P | V3T-7000CN,CP | V4R-1200N,P | V3R-1200N,P | V3R-1200CN,CP | V4D-200N,P | V3D-200N,P | V3D-200CN,CP

M12 Connector Terminal Chambe

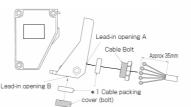
①DC10..30V O Install a cover (bolt) the lead-in opeing not to be used.

The figure below shows how the cables are installed when lead-in opening A is used.

1 Cable packing is selected separately either for cable cover (bolt)

according to cable diameter.

Large 4 ~ 6 Small



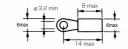
utput indicator (Oranae)

Mode Selector

O Dimensions of applicable solderless terminals

2m

20% max



- Use solderless terminals with insulating tube
- OUse 4 to 8 mm diameter cables circular in section to maintain waterightness.
- Wrong wiring may be a cause of burned or damaged sensor. Pay due attention to wiring.

 Be careful not to install the cable near power lines, for
- otherwise the sensor may mulfunction.
 Using the mounting accessories supplid, the sensor can be installed on either floor or wall.

Output indicator (Orange)

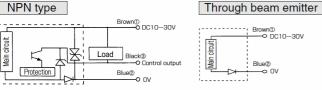
Mode Selector

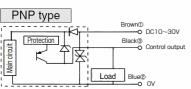
OTHER PRECAUTIONS

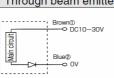
- \bigcirc Be careful not to install the sensor at the follwing locations, as it may otherwise malfunction.
- . Where a lot of dust, vapor, or the like is present.
- Where corrosive gas is produced.
 Where water, oil or the like files directly onto the sensor.
- Where strong vibration or shock is caused to the sensor.
 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.

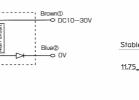
 When a switching regulator is to be used with a power supply, be sure to ground the Frame Ground Terminal.
- O Do not use the sensor in a transient state at power on. (about
- On not run sensor cable near a high-voltage lines, or power lines or put them together in the same raceway. This warning should be strictly observed to prevent malfuncations caused by inductive interference.
- Must not use this item as safety equipment for the purpose of human body protection.

INPUT AND OUTPUT CIRCUIT DIAGRAMS



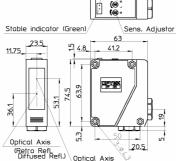




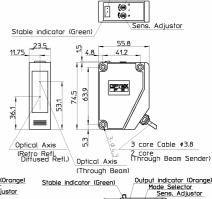


①brown—DC10..30\

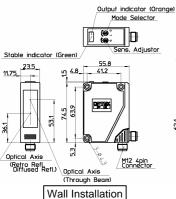
@blue-OV

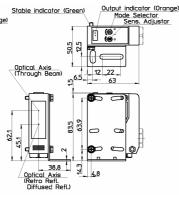


DIMENSIONS (Unit: mm)

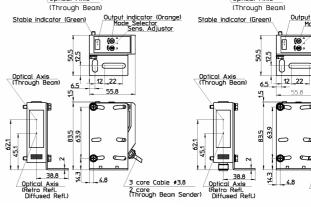


M12 4pin Connector





Floor Installation



Sens. Adjustor

41.2

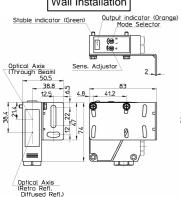
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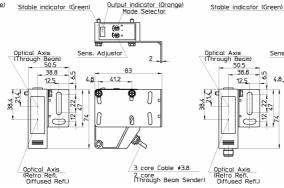
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M12 4pin Connector

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4.8_





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

Manufactured and sold by:



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