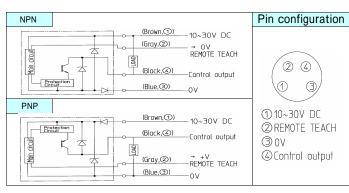
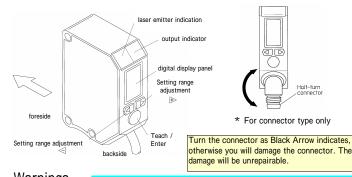


Specification Accurate type Longer type Type Cable type BGS-DL10T(N,P)-(E) BGS-DL25T(N,P)-(E) M8 connector type BGS-DL10TC(N,P)-(E) BGS-DL25TC(N,P)-(E) Setting range 40 ~ 100mm 100 ~ 250mm Supply voltage DC10 ~ 30V including 10% ripple (P-P) Current consumption 40mA max. (12V) , 27mA max (24V) Response time 1.5ms max. (fixed sensitivity) 0.3mm/100mm 0.4mm/200mm Repeat accuracy *2 Off delay / On delay / One shot delay (1msec increment :0-999msec, 1sec increment for 1-10sec) Timer Light source Red laser diode (wave:650nm Max. 1mW class 2) Indicator Output indicator (Orange LED), Laser emitter indication(Green LED) Digital indicator 7 segment, 3 digits Red LED (function indicator, 0 ~ 999 distance index) Control output NPN/PNP open collector DC30V 100mA max. Operation mode Light ON/ Dark ON selectable Scanning range adjustment Teaching /Manual setting Ambient temp/ humid -10 ~ 40 / 35 ~ 85% Protection category/ material | IEC standard IP67 | housing : heat-resistant ABS(antibacterial) | lens : PC | button : TEEE cable type: about 68g / connector type: about 20g

Input/ Output circuit design



Parts name



Warnings Laser beam

This item utilizes visible light laser beam and is subject to safety standard class 2() of JIS C6802 as well as IEC and FDA regulations

Must not stare into laser beam directly or reflection by mirror.

Must not disassemble

Automation stop function of laser emission is not equipped

Digital indicator

- O The numerical display is given in non-linear, and mean just relative values
- O 999 or 000 appears in case background or objects are out of scanning range.
- O The far sensor is positioned to object, the bigger numerical value is

Cautions

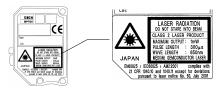
Warm-up period (approx. 100 msec) must be secured.

Should avoid to use sensor at any place where the receiver is influenced by environmental iluminance directly.

Gaps in indicated values and detection features are possible due to dispersion.

Use of controls or adjustments or performance of procedures other than the specified herein may result in hazardous radiation exposure.

This product have already been registered at CDRH (Center for Devices and Radiological Health

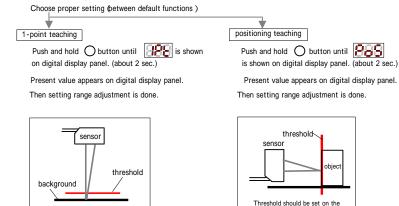


! Must not use this item as safety equipment for the purpose of human body protection.

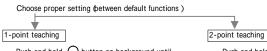
Setting range and adjustment

*1 100x100mm gray paper (reflectance 90%)

BGS teaching



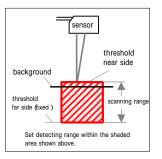
FGS teaching

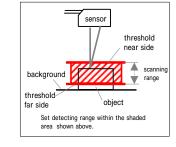


Push and hold O button on background until appears . (about 2 sec.) Present value appears on digital display panel. Then scanning range adjustment is done.

Push and hold Obutton on background until appears. (first point: about 2 sec.) After blinking PPP on digital display panel, push O button on object. (second point) Present value appears on digital display panel Then scanning range adjustment is done.

*2 in the direction of optical axis





Manual setting

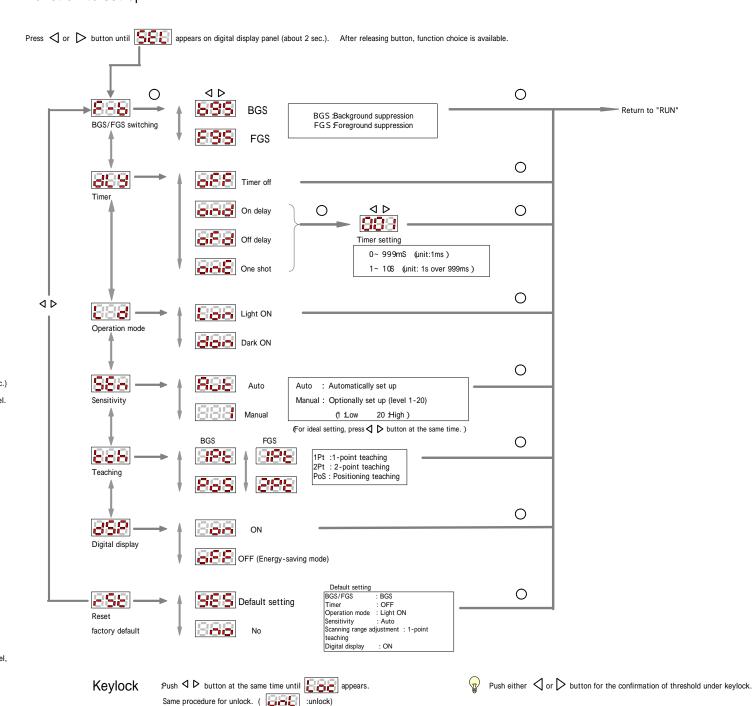
BGS/FGS(1-point teaching)

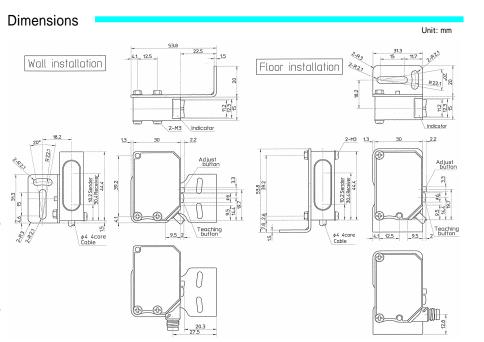
Press or briefly (2 sec. Max). Present value of threshold appears on digital display panel While threshold is blinking, adjust with either or button. (adjustment range: BGS: 50 - 950 Push and hold for fast-forwarding) Press O button, then return to "RUN". Also no button operation for more than 10 sec return to "RUN".

FGS (2-point teaching)

Press or button briefly (2 sec. Max). Choose (near side) or (far side) by either ⊲ or button. Then press O button. While threshold is blinking, adjust with either or button. (edjustment range: Far: :70-950 Push and hold for fast-forwarding) Press O button, then return to "RUN". Or no button operation for more than 10 sec returns it to "RUN".

Function to set up





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



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