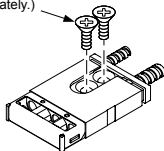


Thank you very much for purchasing Panasonic products. Read this Instruction Manual carefully and thoroughly for the correct and optimum use of this product. Kindly keep this manual in a convenient place for quick reference.

1 MOUNTING

- Mount using M3 countersunk head screws (Please arrange separately). The tightening torque should be 0.3N·m or less.

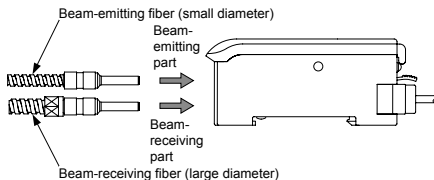
M3 countersunk head screws
(Please arrange separately.)



2 CONNECTION WITH AMPLIFIER

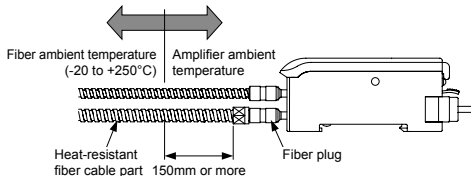
Refer to the Instruction Manual of the amplifier which you are using for more details of sensitivity setting, etc.

- Insert the beam-emitting fiber cable (small diameter) into the beam-emitting inlet and the beam-receiving fiber cable (large diameter) into the beam-receiving inlet slowly, till they stop. If the fiber cables are inserted the other way around, correct detection characteristics cannot be obtained.



3 OPERATION TEMPERATURE

- Keep the amplifier and the fiber cable of length 150mm or more under the rated amplifier ambient temperature range.



- Make sure that the amplifier unit is not exposed to radiant heat or hot wind.
- The metal part of the product may be discolored by heat. However, this does not affect the detection capability.

4 CAUTIONS

- This product has been developed / produced for industrial use only.
- Keep the fiber head surface intact. If it is scratched, or spoiled, the detectability may deteriorate.
- Do not expose the fiber cable to any organic solvent.
- Wipe dirt or stains from the sensing faces with a soft cloth. Do not use any organic solvent for cleaning.
- Ensure that the fiber head is not directly exposed to water. A water drop on the fiber head deteriorates the sensing.
- Ensure that any strong extraneous light is not incident on the receiving face of the fiber head.
- Take care that the fiber is not directly exposed to a fluorescent light from a rapid-starter lamp or a high frequency lighting device, or sunlight etc. as it may affect the sensing performance.
- Since the fiber is made of glass, if it is used at places having intense vibration or impact, or pulled excessive force, the fiber may break. Take sufficient care when using the fiber.
- Do not move or bend the fiber cable after the sensitivity setting. Detection may become unstable.
- The bending radius of the fiber cable must be R25mm or more. Take care if the bending radius is less than R25mm, the fiber may break.

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