

**■ Notice (Storage and Operating Conditions)**

Notice in Design

- (1) In the case of outdoor use, suitable Optical Filter and water and humidity proof structure should be applied.
- (2) To prevent failure or malfunction, Please use a stabilized power supply.
- (3) Please avoid using the sensor in the following conditions because it may cause failure or malfunction;
  - (a) In such a fluid as water, alcohol etc., corrosive gas (SO<sub>2</sub>, Cl<sub>2</sub>, NO<sub>x</sub> etc.) or sea breeze.
  - (b) In high humidity.
  - (c) In a place exposed directly to sunlight or headlight of automobile.
  - (d) In a place exposed to rapid ambient temperature change.
  - (e) In a place exposed directly to blow from air-conditioner or heater.
  - (f) In a place exposed to strong vibration.
  - (g) In a place exposed to strong electromagnetic field.
  - (h) In such a place where infrared ray is shaded.
  - (i) In such a place are charge field and static electricity field.
  - (j) In any other place similar to the above (a) through (i).

Notice in Handling and Storage

- (1) Optical Filter of sensor should not be scratched or soiled.
- (2) Strong shock should be avoided.
- (3) It may malfunction under electrostatics and electromagnetic field. Please use it after enough evaluating.
- (4) Electrostatics and strong electromagnetic field should be avoided.
- (5) Sensor should be kept on conductive sponge.
- (6) High temperature, high humidity, fluid as water or alcohol etc., corrosive gas (SO<sub>2</sub>, Cl<sub>2</sub>, NO<sub>x</sub> etc.) and sea breeze should be avoided.
- (7) Store the products where the temperature and relative humidity do not exceed -10 to 40°C, and 15 to 85%RH. Use the products within 6 months after receiving. Check the terminal solderability before use if the product has been stored for more than 6 months.

**■ Notice (Soldering and Mounting)**

Notice in Mounting

- (1) Please perform the soldering of the terminal with an iron point solder.
- (2) Please mount the soldering of the terminal as quick as possible. Specifically, please go in the range of follows.
  - (3) Please use the flux which has a water-soluble thing less than chlorine content 0.2% by weight.
  - (4) Please completely remove the flux after the soldering. When you are insufficient, it causes the malfunction.

Iron Point Temperature: 350°C	
Terminal Length from Stem	Time
1 to 3mm	Less than 3 sec by a terminal
Over 3mm	Less than 10 sec by a terminal