

■ 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 (SO₂, Cl₂, NO_x 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 (Soldering and Operating Condition)

Notice in Mounting

- (1) Cleaning after reflow soldering should not be applied. Optical filter of sensor should not be soiled because it may cause failure or malfunction.
- (2) Please follow soldering conditions described in the specification. This product can permanently stop operating if the piezoelectric (pyroelectric) characteristic is decreased due to excessive heating.

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 (SO₂, Cl₂, NO_x 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.