

Troubleshooting

Model: SD-D58 series

■ Product abnormalities

| Symptom/display | FAULT lamp | Cause | Corrective action |
|--------------------------------|------------|--|--|
| The power cannot be turned on. | — | The wiring is not correct. | Connect the wiring properly. |
| | | The terminal plate is removed. | Connect the terminal plate properly. |
| | | Abnormalities/momentary blackout of power supply system | Provide the rated voltage. Take measures such as checking or adding the UPS, power supply line filter and insulation transformer. |
| | | Cable abnormalities (open circuit/not connected/short circuit) | Check the wiring of detector head and related devices around it. |
| Abnormal operations | — | Disturbances by sudden surge noise, etc. | Turn off and restart the detector head. If such a symptom is observed frequently, take appropriate measures to eliminate the noise. |

■ Reading abnormalities

| Symptom | Cause | Corrective action |
|--|--|---|
| The reading rises (drops) and it remains so. | Drifting of sensor output | Perform the zero adjustment. |
| | Presence of interference gas | Disturbances by interference gases, such as solvents, cannot be eliminated completely. For information on actions, such as removal filter, please contact distributor. |
| | Slow leak | A very small amount of the gas to be detected may be leaking (slow leak). Because ignoring it may cause dangers, take a remedial measure, i.e., taking actions the same as those for the gas alarm. |
| | Environmental changes | Perform the zero adjustment (AIR adjustment). |
| A gas alarm is triggered despite of no gas leak and no other abnormalities at the detection point. | Presence of interference gas | Disturbances by interference gases, such as solvents, cannot be eliminated completely. For information on actions, such as removal filter, please contact distributor. |
| | Disturbance by noise | Turn off and restart the detector head. If such a symptom is observed frequently, take appropriate measures to eliminate the noise. |
| | Sudden change in the environment | When the environment (temperature, etc.) changes suddenly, the detector head cannot adjust to it and is affected by it. In some cases, the detector head triggers an indication alarm. Because the detector head cannot be used under sudden and frequent environmental changes, you must take any preventive actions to eliminate them. |
| Slow response | Deteriorated sensor sensitivity | Replace the sensor with a new one. |
| Span adjustment impossible | Improper calibration gas concentration | Use the proper calibration gas. |
| | Sensor sensitivity deterioration | Replace the sensor with a new one. |