

Troubleshooting

Model : GD-84D

■ Power source related problems

Symptom/Display	Cause	Corrective action
The power cannot be turned on.	The power switch is turned OFF	Turn the power switch ON.
	Power supply circuit abnormality/instantaneous interruption	Confirm the voltage for the 24 V DC power source. For PoE+ connections, check the function and specifications of the PoE power hub. Review your setup and assess the need for an uninterruptible power source, power line filter, or insulating transformers.
	Incorrect installation of main unit	When using 24 V DC to power the product, check to confirm that the terminal unit is connected correctly. If no improvement occurs, contact our sales department. If you are using a PoE+ connection, contact distributor.
	Cable problems (damage, loose connections, short circuits)	Check the wiring for this product and for other devices in the vicinity.
Abnormal operation	Effects of sudden surge noise	Turn the power OFF and restart. If similar symptoms recur frequently, take appropriate measures to address the noise source.

■ Reading abnormalities

Symptom/Display	Cause	Corrective action
The reading rises (or drops) and remains unchanged.	Sensor drift	Perform zero calibration or air calibration.
	Presence of interference gases	It is difficult to completely eliminate the effects of interference gases such as solvents. Contact distributor for information on countermeasures, such as interference gas removal filters.
	Slow leakage	They may be a very small leakage (slow leakage) of the detection target gas. Leaving this unresolved may lead to hazardous conditions. Take the same action as for gas alarms.
	Environmental fluctuations	Perform zero calibration or air calibration. Galvanic cell types in particular are susceptible to the effects of atmospheric pressure. Zero calibration and air calibration must be performed.
A gas alarm is issued despite the absence of a gas leak or other abnormalities at the detection point.	Presence of interference gases	It is difficult to completely eliminate the effects of interference gases such as solvents. Contact distributor for information on countermeasures, such as interference gas removal filters.
	Effects of noise	Turn the power OFF and restart. If similar symptoms recur frequently, take appropriate measures to address the noise source.
	Sudden environmental changes	Reading alarms may be triggered by sudden changes in ambient conditions such as temperature. The product cannot be used if ambient conditions fluctuate rapidly and often. Take appropriate action to prevent such changes.

Symptom/Display	Cause	Corrective action
Slow response	Clogged dust filter	Replace the dust filter.
	Bent or blocked inlet or outlet tube	Fix the problem.
	There is condensation inside the inlet tube.	Fix the problem.
	The sensor sensitivity has degraded.	Replace with a new sensor.
Span adjustment is not possible.	The calibration gas concentration is inappropriate.	Prepare the correct calibration gas.
	The sensor sensitivity has degraded.	Replace with a new sensor.