

# Troubleshooting

Model: SD-3 series

## ■ Product abnormalities

Symptom/display	FAULT lamp	Cause	Corrective action
The power cannot be turned on.	—	The wires are incorrectly connected.	Wire correctly.
		The wires are detached from the terminal plate.	Connect correctly.
		Abnormalities or instantaneous interruptions in the power supply circuit	Check to confirm that the rated voltage is supplied. Consider use of an uninterruptible power system, power supply line filter, or insulated transformer, and add such devices where appropriate.
		Cable abnormality (Disconnection, cable not connected, short circuit)	Check the wiring for the product and peripheral devices.
		Fuse blown	Replacement required. Contact distributor.
		Internal circuit abnormality	Replacement required. Contact distributor.
Abnormal operation	—	Disturbances due to sudden noise, etc.	Turn off the power and restart. If similar symptoms recur frequently, take appropriate measures to address the noise source. If the problem persists even with noise prevention measures, contact distributor.

## ■ Reading abnormalities

Symptom/display	FAULT lamp	Cause	Corrective action
<ul style="list-style-type: none"> <li>• The reading rises (or drops) and remains unchanged.</li> <li>• A gas alarm is triggered despite the absence of a gas leak or any other abnormalities at the detection area.</li> <li>• Response is slow.</li> </ul>	—	The sensor zero or span has altered (drifted).	Perform zero calibration or span adjustment.
		Presence of interference gases	Check for the presence of interference gases such as solvents and take appropriate action.
		Slow leakage	Trace amounts of detection target gas may be leaking. Leaving this unresolved may lead to hazardous conditions. Take the same action as for gas alarms.
		Environmental fluctuations	Perform zero calibration or span adjustment.
		Effects of noise	Turn off the power and restart. If similar symptoms recur frequently, take appropriate measures to address the noise source. If the problem persists even with noise prevention measures, contact distributor.

Symptom/display	FAULT lamp	Cause	Corrective action
		Sudden environmental changes	Alarm indications may be issued by the product due to sudden environmental fluctuations (e.g., temperature). The product cannot be used in locations where sudden environmental changes occur frequently. The user should take appropriate measures.
		The sensor sensitivity has degraded.	Replace with a new sensor.
		The calibration gas concentration is inappropriate.	Prepare the correct calibration gas.