

Troubleshooting

Model: RM-5000 series, RM-6000 series

■ Product abnormalities

| Symptom/display | FAULT lamp | Cause | Corrective action |
|--------------------------------|------------|--|--|
| The power cannot be turned on. | — | The power switch is turned off. | Turn ON the power switch. |
| | | Fuse open-circuit | Find out why the fuse has blown and take appropriate actions before replacing it. |
| | | Incorrect connection of power cable | Check the terminal plate and correct the incorrect wiring. |
| | | 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 indicator/alarm unit and related devices around it. |
| Abnormal operations | Lamp off | Disturbances by sudden surge noise, etc. | Turn off and restart the indicator/alarm unit. If such a symptom is observed frequently, take appropriate measures to eliminate the noise. |
| Span adjustment impossible | Lamp off | Calibration gas concentration | Use the proper calibration gas. |
| | | Sensor sensitivity deterioration | Replace the sensor. |

■ Reading abnormalities

| Symptom | Cause | Corrective action |
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| The reading rises (drops) and it remains so. | Drifting of sensor output | Perform the zero adjustment (fresh air 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 (fresh air adjustment). In particular, the galvanic cell type is affected by the air pressure. |
| 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 indicator/alarm unit. 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 indicator/alarm unit cannot adjust to it and is affected by it. In some cases, the indicator/alarm unit triggers an indication alarm. Because the indicator/alarm unit cannot be used under sudden and frequent environmental changes, you must take any preventive actions to eliminate them. |

| Symptom | Cause | Corrective action |
|----------------------------|---|---|
| <u>Slow response</u> | Clogged dust filter | Replace the dust filter. |
| | Bended or clogged suction tube or exhaust tube | Fix the defective parts. |
| | Condensation is formed inside the suction tube. | Fix the defective parts. |
| | Deteriorated sensor sensitivity | Replace the sensor unit with a new one. |
| Span adjustment impossible | Improper calibration gas concentration | Use the proper calibration gas. |
| | Deteriorated sensor sensitivity | Replace the sensor unit with a new one. |