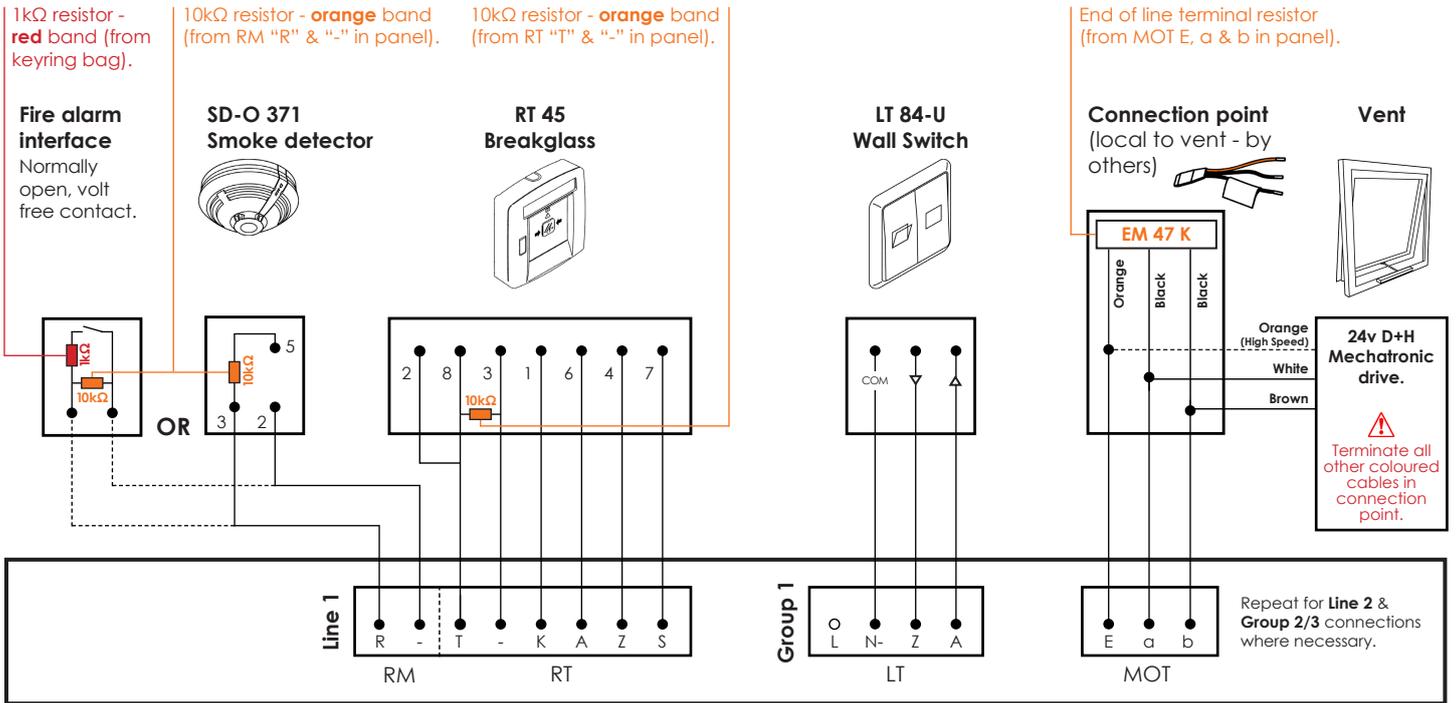
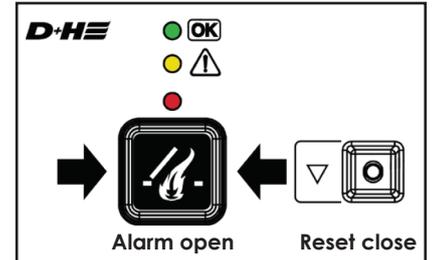


# RZN 4408-M Troubleshooting Guide



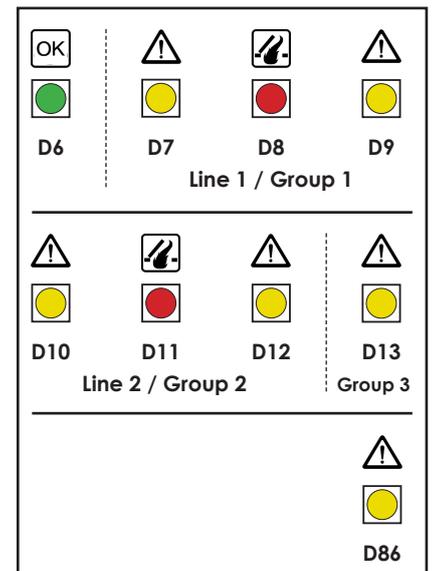
## RT 45 breakglass display indications

● + ○ + ○	<b>Solid green</b> - System healthy, no faults.
● + ● + ○	<b>Solid green + flashing yellow</b> - System healthy, no fault. Inbuilt service timer expired. Contact our service department.
○ + ● + ○	<b>Flashing yellow</b> - System fault. See panel indications below.
● + ○ + ●	<b>Solid green + solid red</b> - System healthy + in fire.
○ + ● + ●	<b>Flashing yellow + solid red</b> - System in fault + fire.



## Panel display indications

OK ●	<b>D6 Control</b>	<ul style="list-style-type: none"> <li>System healthy, no faults.</li> </ul>
⚠️ ●	<b>D7/D10 Line</b>	<ul style="list-style-type: none"> <li>Indicates an issue between the control panel and control elements (fire alarm interface, smoke detector or breakglass).</li> <li>Each control element requires a single 10kΩ end of line resistor. See above detail.</li> <li>If no fire alarm interface or smoke detector in system, leave 10kΩ end of line resistor in RM terminals "R" &amp; "-".</li> <li>Check external signal fuse has not blown.</li> </ul>
🔥 ●	<b>D8/D11 Alarm</b>	<ul style="list-style-type: none"> <li>System in fire.</li> </ul>
⚠️ ●	<b>D9/D12/D13 Group</b>	<ul style="list-style-type: none"> <li>Issue between the control panel and the drive(s). Ensure EM 47 K end of line terminal resistor is connected as shown above.</li> <li>Check 6.3 Amp fuse has not blown.</li> </ul>
⚠️ ●	<b>D86 Battery</b>	<ul style="list-style-type: none"> <li>Incorrect connection of the batteries or 3.15 Amp fuse blown.</li> </ul>



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### Operational faults

#### **Fire alarm interface:**

- Confirm signal from interface is normally open volt free.
- 1k $\Omega$  triggering resistor and 10k $\Omega$  end of line resistor installed as detailed on previous page.

#### **Smoke detector:**

- 10k $\Omega$  end of line resistor is installed as detailed on previous page.
- Turn smoke detector head clockwise until a click is heard and a physical connection is made between head and base.

#### **Breakglass:**

- 10k $\Omega$  end of line resistor installed and connections as detailed on previous page.
- Confirm the breakglass terminal connector is firmly secured onto the PCB.
- Check external signal fuse in panel is present and has not blown.

#### **Drive:**

- Check MOT terminal connections in the control panel and local connection point.
- Test power supply from MOT terminals a and b in control panel, minimum of 24v DC should be present on operation (fire).
- If voltage is present on operation and connections are correct, the issue is with the drive(s) and not the controls. See drive instructions for assistance.
- If no voltage is present on operation, check 6.3 Amp fuse is present and has not blown.

#### **DIP-Switches:**

- For operational set-up (including one-touch reset of system) see control panel instructions.