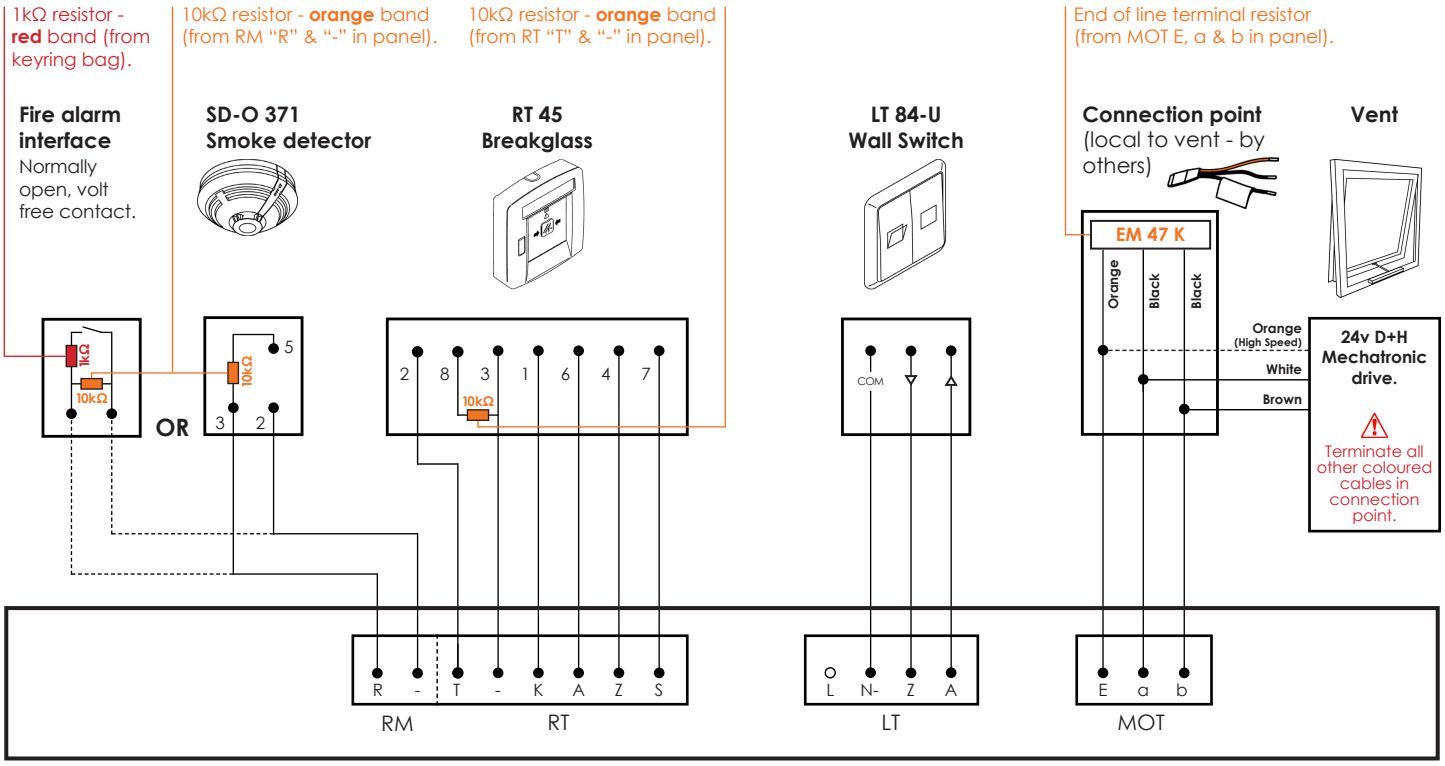
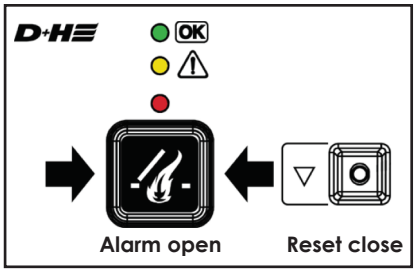
RZN 4503-T Troubleshooting Guide

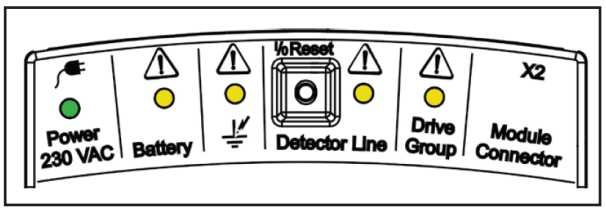


RZN 4503-T / RT 45 breakglass display indications

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



Display fault indications



Battery fault:
- Incorrect connection of the battery.

Earth fault:
- Issue with incoming power supply 230 v earth.

Detector Line fault - Solid:
- Indicates an issue between the control panel and control elements (fire alarm interface, smoke detector or breakglass).
- Each control element requires a single 10kΩ end of line resistor. See above detail.
- If no fire alarm interface or smoke detector in system, leave 10kΩ end of line resistor in RM terminals "R" & "-". If no RT 45 breakglass, leave 10kΩ resistor in RT terminals "T" & "-".

Detector Line fault - Flashing:
- Indicates line deactivated, press the 1/0 Reset button at top of panel to reactivate.

Drive Group fault:
- Issue between the control panel and the drive(s). Ensure EM 47 K end of line terminal resistor is connected as shown above.
- Check 2.5 Amp fuse has not blown.

RZN 4503-T Troubleshooting Guide

Operational faults

Fire alarm interface:
- Confirm signal from interface is normally open volt free.
- 1kΩ triggering resistor and 10kΩ end of line resistor installed as detailed on previous page.

Smoke detector:
- 10kΩ 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.

Additional breakglass:
- 10kΩ end of line resistor installed and connections as detailed on previous page.
- Confirm the breakglass terminal connector is firmly secured onto the PCB.

Drive:
- Check MOT terminal connections in the control panel and local connection point.
- Test power supply from 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.

DIP-Switches:
- For operational set-up (including one-touch reset of system and activation of integrated ventilation buttons) see information on reverse of white control panel board.

Natural ventilation operation (optional)

Only operates when DIP-Switch 8 is on. Integrated ventilation buttons: