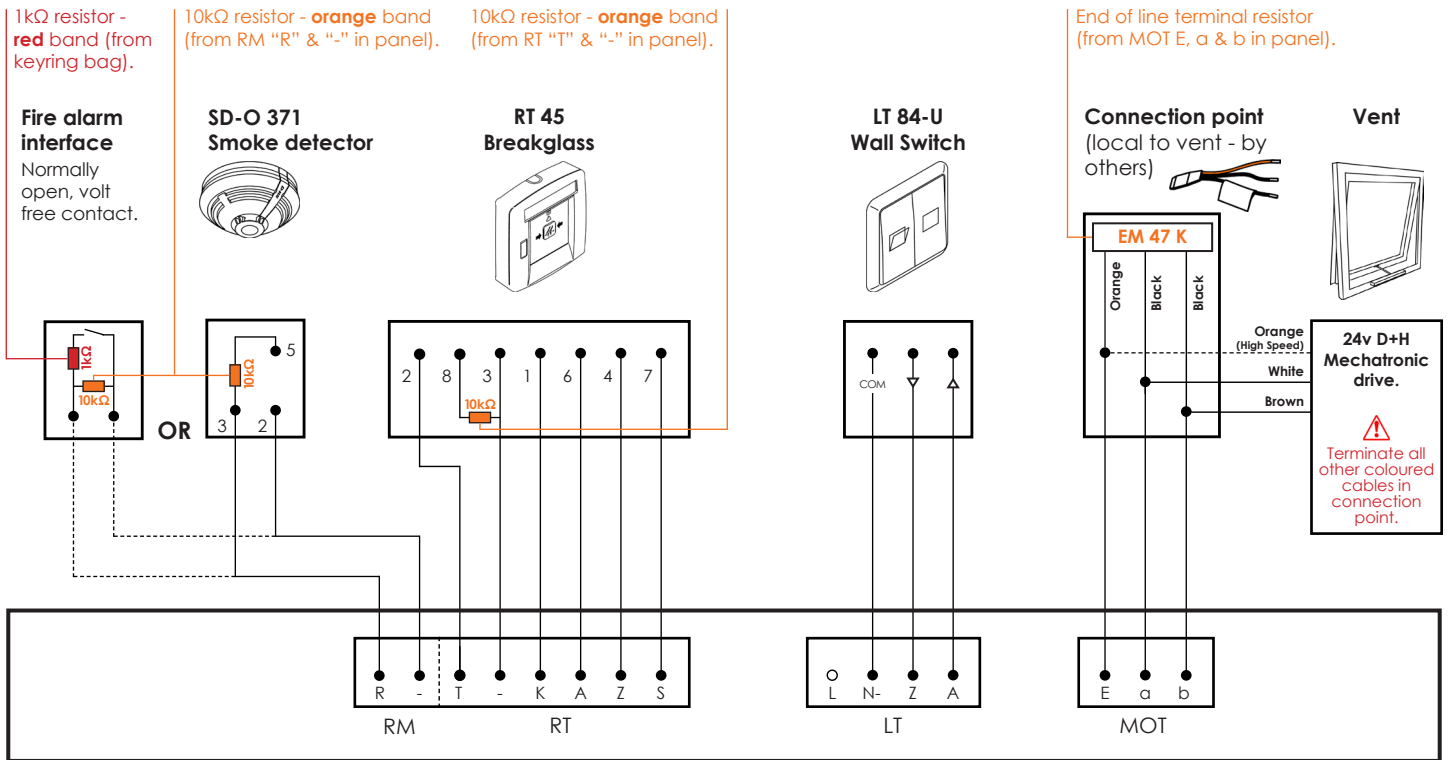
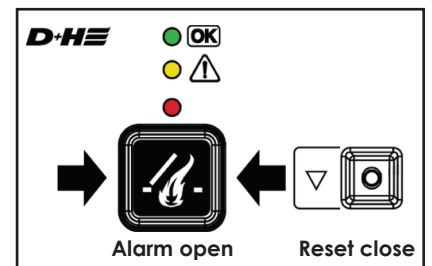


# RZN 4503-T Troubleshooting Guide



## RZN 4503-T / RT 45 breakglass display indications

● + ○ + ○	<b>Solid green</b> - System healthy, no faults.
● + ● + ○	<b>Solid green + lashing yellow</b> - System healthy, no faults. Inbuilt service timer expired. Contact Dyer's 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 fault + in 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:

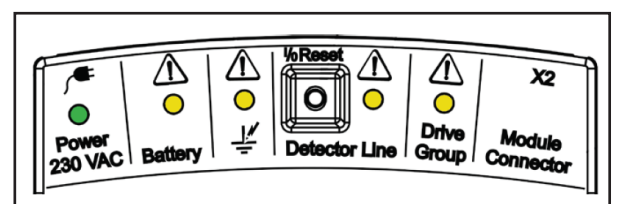
- Indicates an issue between the control panel and control elements (fire alarm interface, smoke detector or breakglass).
- Each control element requires a single 10kΩ end of line resistor. See above detail.
- If no fire alarm interface or smoke detector in system, leave 10kΩ end of line resistor in 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.
- 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.

#### **Additional 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.

#### **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:

