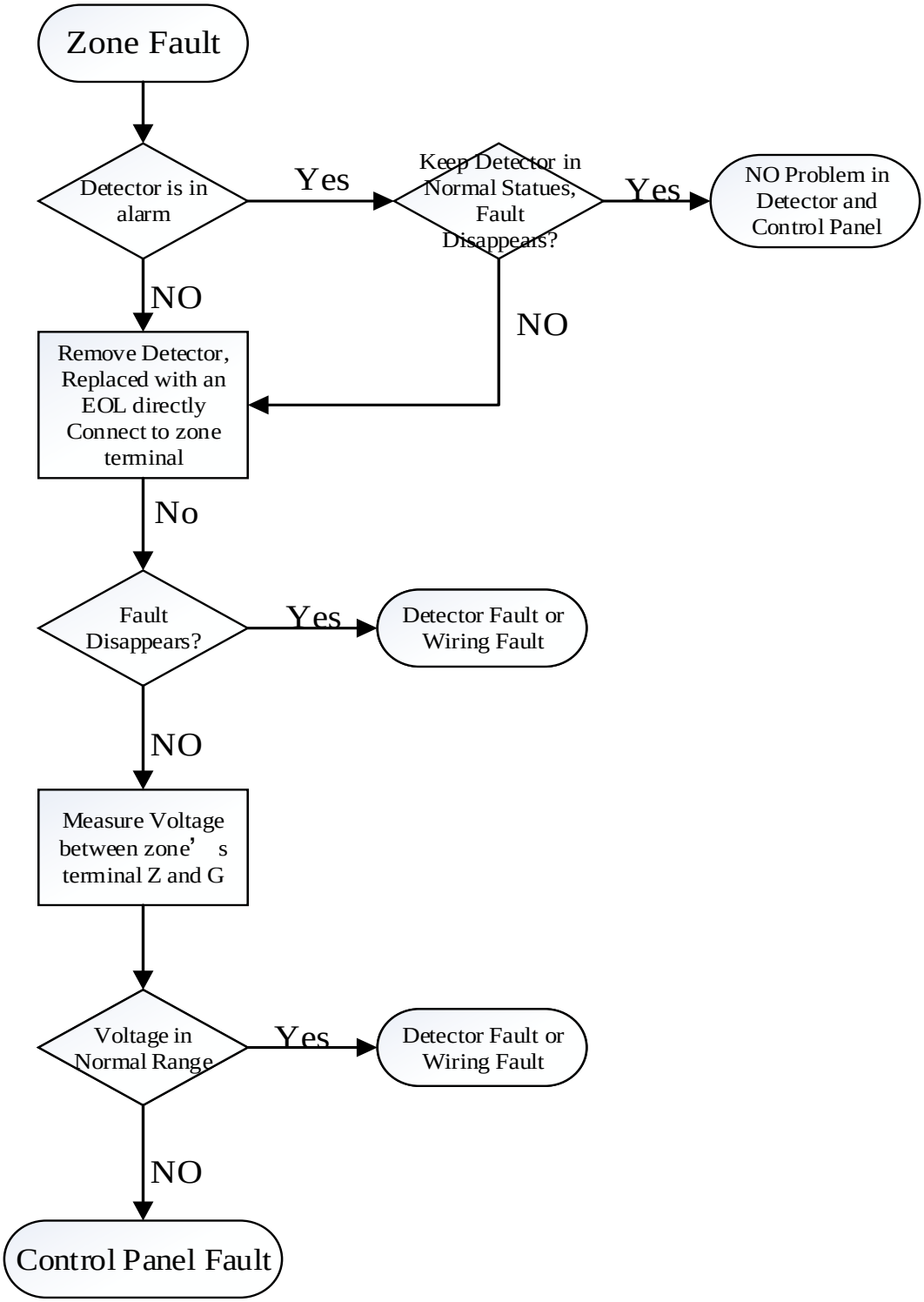
Description

When control panel is in disarm status, it shows “Zone Fault” for some zones. In this case, control panel can not arm system successfully.

Problem Checking Flow

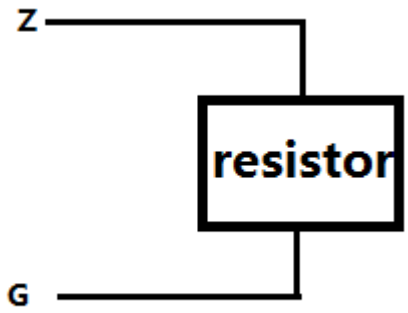


Detail Steps

Step 1: Check whether the Detector is in Alarm Status

If detector is in alarm status, eliminate all the factors that will cause alarm for detector. If detecor still can not go back to normal status, we can confirm it is detector fault; If detector is in normal status, but control panel is still in "zone fault", go on next checking step.

Step 2: Connect Corresponding End of Line Resistor to Terminal Z and G for the Fault Zone



If "Zone Fault" disappears, we can confirm it is a wiring fault between detector and control panel. Check wire poor contact, short circuit, open circuit between detector and control, or signal cable is too close to power cable. After all these wiring issue have checked, but control panel is still in "zone fault" status, go on next step.

Step 3: Measure Voltage between Z and G for the Fault Zone

According to the chart below, if voltage between Z and G is out of normal range, we can confirm it is a control panel fault. Please ask technical support team for further help.

Control Panel Input Voltage(V)	EOL Resistor(Ω)	Voltage between Z and G	
		Min	Max
14.3	2.2K	5.6	9.68
	3.3K	7.24	11.32
	5.6K	8.58	12.66
	8.2K	9.34	12.55
10.5	2.2K	4.04	6.98
	3.3K	5.21	8.15
	5.6K	6.18	9.12
	8.2K	6.73	9.05
Note: This voltage range is measured without tamper-proof EOL resistor			

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