

4.4.25 System Failure 30

System failure 30 indicates: Mains voltage reading LV1 is outside of the expected range.

Cause(s)	Action(s)
Mains Voltage Comp Circuit is not calibrated correctly.	Calibrate the line voltage.
High or low mains voltage. This failure is triggered if the mains voltage is outside the following ranges: • 100V: 80-115V • 115V: 95-132V • 230V: 195-270V	Connect to proper mains voltage source
Defective 50 pin ribbon cable between the relay and control board.	Check for continuity on pin 48 and 49 (LineComp1,2) If defective replace cable.
Defective relay board.	Measure the voltages at the relay board: • J37 pin 48-45 and J37 pin 49-45. • If mains voltage 100/115 = 3-5 volts, difference within 0.4 volts. • If mains voltage 230 = 7-10 volts, difference within 0.8. • If not, replace the relay board.
Defective control board.	If the voltages are OK, replace the control board.

4.4.26 System Failure 33

System failure 33 indicates: Defective PU Solid State Relay