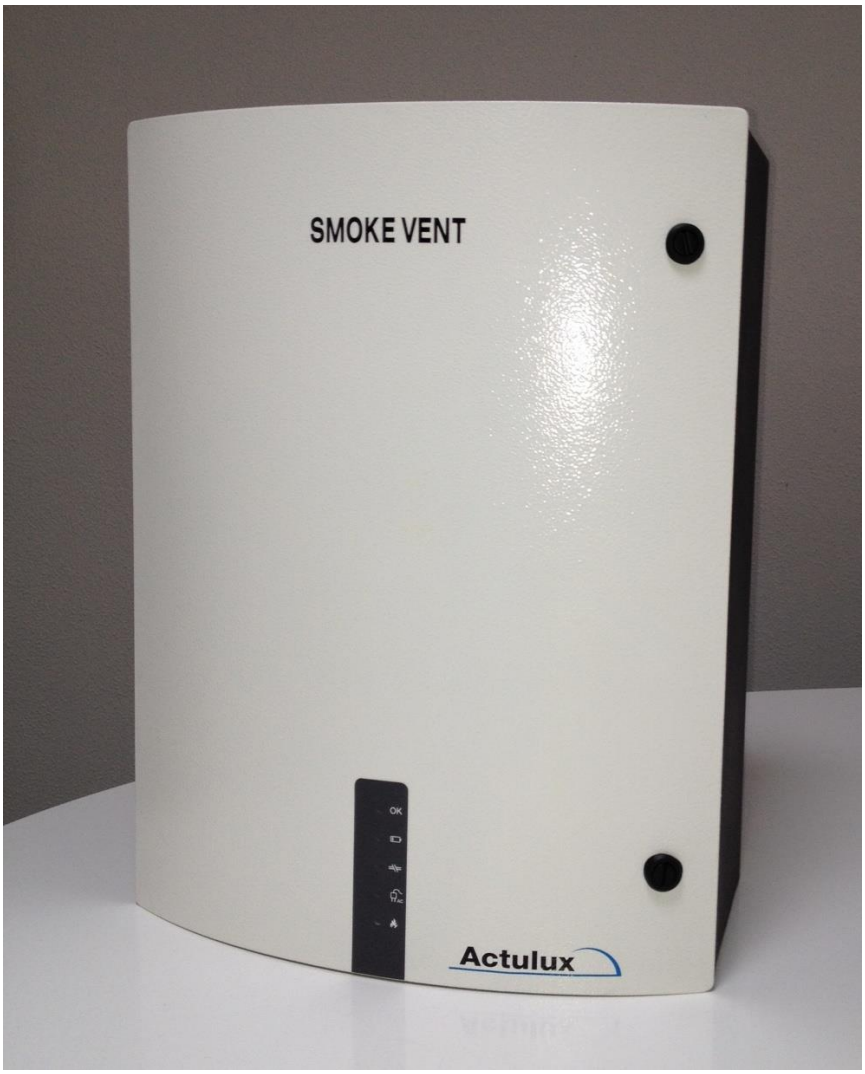
Actulux

Troubleshooting guide

SV Control Panels



Ver. 2015.03.17



Batteryfault

Fault	Where	Possible faults
Battery LED lights	Batteries in top of the controlunit	➢ Low battery voltage (<21,5 VDC) ➢ Old batteries ➢ Battery wires not connected 48 V Controlunit: ➢ Low battery voltage (<42 VDC) ➢ Black batterywires (minus) has been exchanged and the opening system has been switched on. (See Note 1)



AC fault

Fault	Where	Possible faults
AC LED lights/flashes	Main power supply in controlunit and power supply behind PCB in controlunit.	➢ No power supply to the automatic fuse ➢ No power supply from the automatic fuse ➢ Too low or no voltage from the power supply (<23,5 VDC) (v. 48V <42,0 VDC) (Measured at the output terminals of the power supply or terminal 29 and 30)
OK LED flashing at the same time as another LED at the front (Battery - , Line - , AC fault)	LED at the front	➢ There is fault in another control unit which are BUS connected.
OK LED are NOT flashing at the same time as another LED at the front. (Battery -, Line -, AC fault)	LED at the front	➢ There are fault in this control unit

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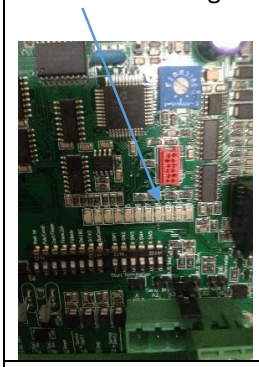


Line fault.

Fault	Where	Possible faults
LED 6 constant light 	Line fault Output 1 (actuator 1) Terminal 2-3	➢ Jumper J4 and J7 mounted in the wrong position or not mounted. ➢ Jumper J7 mounted in the wrong position related to 2 or 3 wire monitoring. 2 wire monitoring (Two upper legs) or 3 wire monitoring. (Two lower legs) ➢ No 27 KΩ resistor between terminal 2 and 3. ➢ Bad connection to motor/LIP ➢ Termination resistor not connected in LIP. (DIP 3 in LIP5 must be ON, DIP 5 in LIP6 must be ON) ➢ Output fuse F3 blown. ➢ Note 2.
LED 7 constant light 	Line fault Out 2 (actuator 2) Terminal 4-5	➢ Jumper J5 and J9 mounted in the wrong position or not mounted. ➢ Jumper J9 mounted in the wrong position related to 2 or 3 wire monitoring. 2 wire monitoring (Two upper legs) or 3 wire monitoring. (Two lower legs) ➢ No 27 KΩ resistor between terminal 4-5 ➢ Bad connection to motor/LIP ➢ Termination resistor not connected in LIP. (DIP 3 in LIP5 must be ON, DIP 5 in LIP6 must be ON) ➢ Output fuse F4 blown ➢ Note 2.

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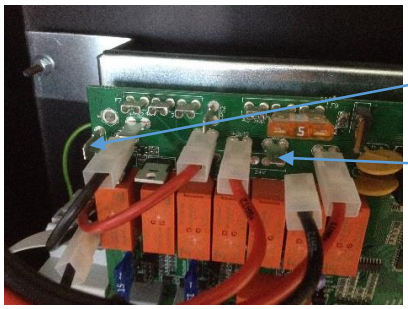
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Fault	Where	Possible faults
LED 8 constant light 	Terminal 13-17A and 13-17B (Gnd - fire 1 sw and Gnd.- fire 2 sw)	➢ Both 10 KΩ resistors and/or fire switches are missing in terminals 13-17a and 13-17b
LED 8 flashing (ONE flash)	Terminal 13-17A Gnd-fire 1 sw	10 KΩ resistors and/or fire switches are missing in terminals 13-17a
LED 8 flashing (TWO flash)	Terminal 13-17B Gnd- fire 2 sw	10 KΩ resistors and/or fire switches are missing in terminals 13-17b
LED 9 constant light 	Terminal 19 -20 Smoke detc. 1	➢ 10 KΩ resistor missing ➢ Smoke detector is not installed properly ➢ Cable for smoke detector installed incorrectly ➢ Missing termination resistor (10 KΩ)
LED 10 constant light 	Termina 20-21 Smoke detc. 2	➢ 10 KΩ resistor missing ➢ Smoke detector is not installed properly ➢ Cable for smoke detector installed incorrectly ➢ Missing termination resistor (10 KΩ)

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Fault	Where	Possible faults
LED 11 constant light 	Terminal A1-A2-A3 and B1-B2-B3	➢ Jumper J1-J2-J24-J25 incorrectly installed ➢ Buswires incorrectly installed ➢ Missing power supply to another bus-connected control unit. (Mains or battery)

Note 1		
	- BAT1 - BAT2	1. Turn the MCB OFF (aut. circuit braker) 2. Disconnect the black wires – BAT1 og – BAT2 3. Measure the resistance between terminals – BAT1 og – BAT2 ➢ The resistance should be 0Ω ➢ If measured about10kΩ the PCB mainboard is faulty

Note 2		Cause
LIP defect		➢ Power supply low (<18VDC) ➢ Voltage drop (Cable dimension?)

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