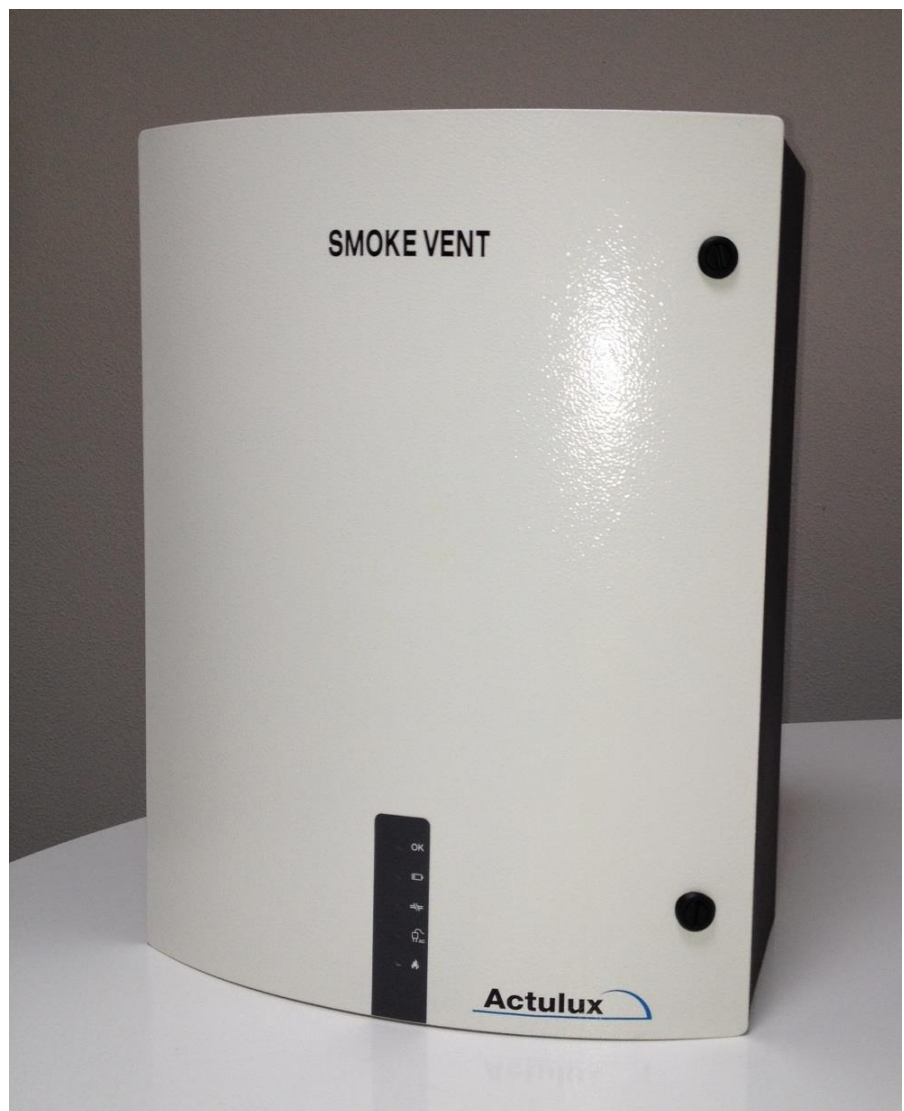


Actulux

Troubleshooting guide SV Control Panels





Batteryfault

Fault	Where	Possible faults
Battery LED lights	Batteries in top of the controlunit	<ul style="list-style-type: none"> ➤ Low battery voltage (<21,5 VDC) ➤ Old batteries ➤ Battery wires not connected 48 V Controlunit: <ul style="list-style-type: none"> ➤ 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.	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ 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	<ul style="list-style-type: none"> ➤ There are fault in this control unit

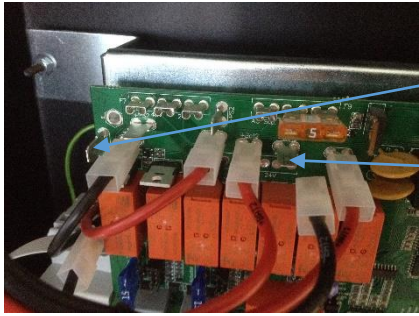


Line fault.

Fault	Where	Possible faults
<p>LED 6 constant light</p> 	<p>Line fault Output 1 (actuator 1) Terminal 2-3</p>	<ul style="list-style-type: none"> ➤ 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.
<p>LED 7 constant light</p> 	<p>Line fault Out 2 (actuator 2) Terminal 4-5</p>	<ul style="list-style-type: none"> ➤ 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.

Fault	Where	Possible faults
<p>LED 8 constant light</p> 	<p>Terminal 13-17A and 13-17B (Gnd - fire 1 sw and Gnd.- fire 2 sw)</p>	<ul style="list-style-type: none"> ➤ Both 10 KΩ resistors and/or fire switches are missing in terminals 13-17a and 13-17b
<p>LED 8 flashing (ONE flash)</p>	<p>Terminal 13-17A Gnd-fire 1 sw</p>	<p>10 KΩ resistors and/or fire switches are missing in terminals 13-17a</p>
<p>LED 8 flashing (TWO flash)</p>	<p>Terminal 13-17B Gnd- fire 2 sw</p>	<p>10 KΩ resistors and/or fire switches are missing in terminals 13-17b</p>
<p>LED 9 constant light</p> 	<p>Terminal 19 -20 Smoke detc. 1</p>	<ul style="list-style-type: none"> ➤ 10 KΩ resistor missing ➤ Smoke detector is not installed properly ➤ Cable for smoke detector installed incorrectly ➤ Missing termination resistor (10 KΩ)
<p>LED 10 constant light</p> 	<p>Terminal 20-21 Smoke detc. 2</p>	<ul style="list-style-type: none"> ➤ 10 KΩ resistor missing ➤ Smoke detector is not installed properly ➤ Cable for smoke detector installed incorrectly ➤ Missing termination resistor (10 KΩ)

Fault	Where	Possible faults
<p>LED 11 constant light</p> 	<p>Terminal A1-A2-A3 and B1-B2-B3</p>	<ul style="list-style-type: none"> ➤ Jumper J1-J2-J24-J25 incorrectly installed ➤ Buswires incorrectly installed ➤ Missing power supply to another bus-connected control unit. (Mains or battery)

Note 1		
	<p>- BAT1</p> <p>- BAT2</p>	<ol style="list-style-type: none"> 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 <ul style="list-style-type: none"> ➤ The resistance should be 0Ω ➤ If measured about 10kΩ the PCB mainboard is faulty

Note 2		Cause
<p>LIP defect</p>		<ul style="list-style-type: none"> ➤ Power supply low (<18VDC) ➤ Voltage drop (Cable dimension?)