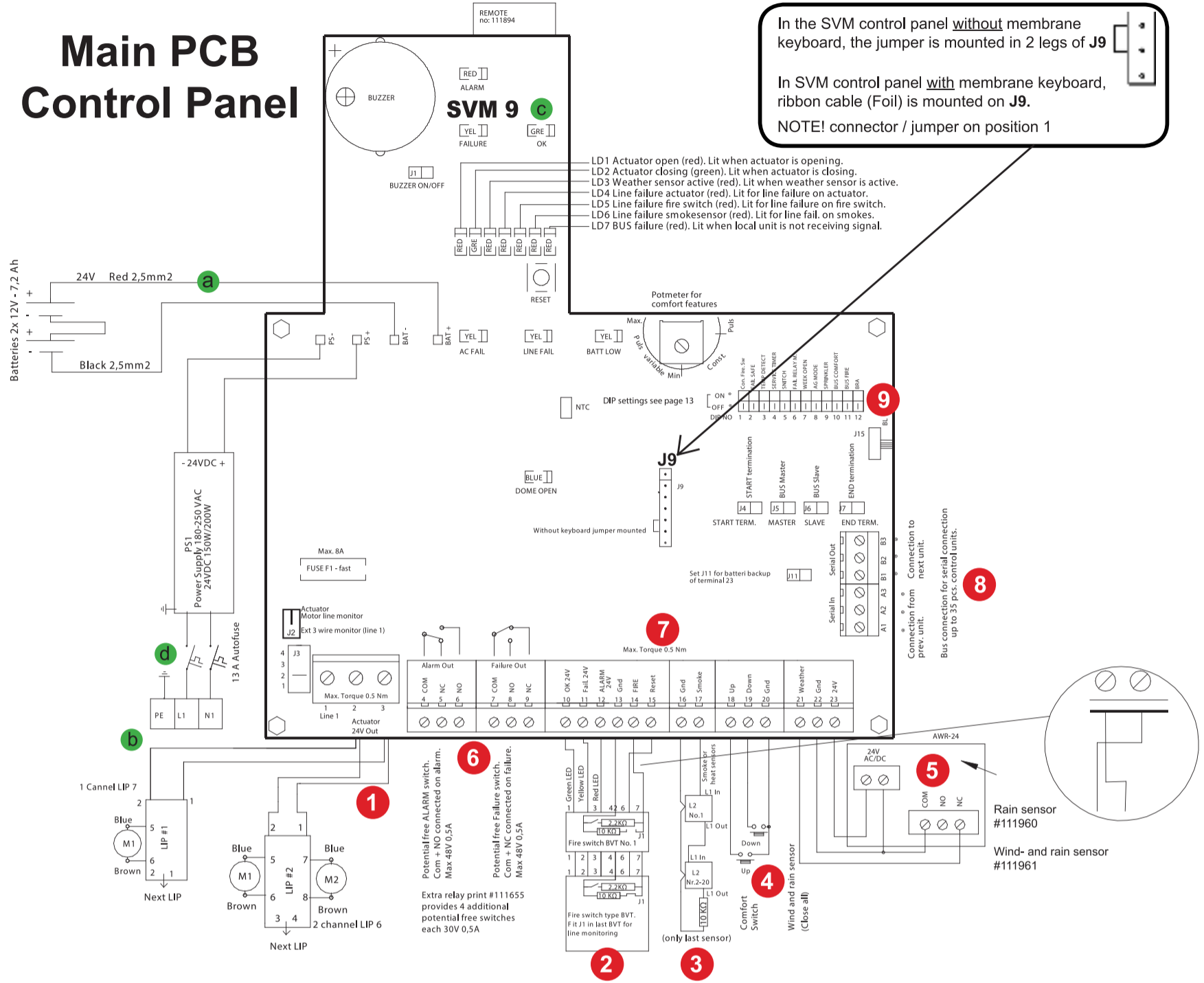


- Start Test:**
- a** Connect spade crimp to batter
 - b** Connect 230VAC to circuit breaker
 - c** Check the OK LED is lit
 - d** Disconnect 230VAC from circuit breaker and remove spade crimp from battery

Main PCB Control Panel



1 Connection to Actuator/LIP/Motor

- Remove 27KΩ resistor for line monitoring from terminal 2-3. (27KΩ is used for 3-wire monitoring)
- Connect Motors/LIP to terminal 2-3
- At opening, terminal 3 = +
- Line monitoring "2-wire"
- Check Jumper J2 in "Motor Line" (factory fitted)
- Check/move Jumper J3 = number of LIP's (27KΩ resistors at 3-wire monitoring)
- No line monitoring
- Remove Jumper J2 and J3

2 Connection of Fire Switch

- Remove 10KΩ resistor for line monitoring from terminal 13-14 (this is not used in BVT fire switch)
- Connect the fire switch to terminal 10-11-12-13-14-15
- Make sure that jumper J1 (10KΩ resistor) for line monitoring in fire switch is mounted, but only in the last one (if several are connected).

3 Connection of Detector

- Remove 10KΩ resistor from terminal 16-17
- Smoke-/ thermo detectors
- o Connect the detectors L2 to terminal 16 and L1 to terminal 17
- Mount the 10KΩ resistor in the last detector (for line monitoring) between terminal L1 OUT and L2

6 Alarm and Error switch

- Alarm signals are transmitted to external terminal from terminal (potential-free relay contact)
- 4(COM) o 5(NC) o 6(NO)
- Fault signals are transmitted via output terminals external systems from terminal (potential-free relay contact)
- 7(COM) o 8(NO) o 9(NC)

5 Connection of Weather sensor / Timer

- Connect the weather sensor to terminal 21-22-23
- NC to terminal 21 (Weather)
- COM to terminal 22 (Gnd)
- 24V (plus 24V) to terminal 23 (24V)
- Timer can be connected to terminal 21-22
- Timers NO to terminal 21 (Weather)
- Timers COM to terminal 22 (Gnd)
- Any potential-free contact (NO) can be connected to terminal 21-22 for close all comfort functions.

4 Connection of Comfort Ventilation

- Connect the comfort switch to terminal 18-19-20
- "UP" to terminal 18
- "DOWN" to terminal 19
- "Common" to terminal 20 (Gnd.)
- For more information see page 9 (Installation Guide)
- The control panel is prepared for wireless remote control of comfort ventilation.
- Weather sensor is always recommended for comfort vent.

7 Connection from Fire Alarm Panel (AFA)

- Potential-free input signal (NO contact) from eg. AFA connects either terminal 13-14 or terminal 16-17

8 BUS connection (several control panels)



Via the bus connection you can send signals to other SV/SVM control panels on terminal A1-A2-A3 and B1-B2-B3. From the control panel on B terminals and to the control panel on A terminals.

- Jumper settings (for SVM control panels)
- First control panel: Mount J4-J5
- Middle control panel(s): Mount J6
- Last control panel: Mount J6-J7
- Optional features
- Alarm (to be selected or deselected, DIP11)
- Comfort (to be selected or deselected, DIP10)
- Default features / Settings (always active)
- Reset
- Weather signal
- Error indications

9 Alarm and Error switch

- Alarm signals are transmitted to external terminal from terminal (potential-free relay contact)
- 4(COM) o 5(NC) o 6(NO)
- Fault signals are transmitted via output terminals external systems from terminal (potential-free relay contact)
- 7(COM) o 8(NO) o 9(NC)



Problem	Possible causes
LED 3 (Weather sensor) Illuminates though the weather sensor is passive	<ul style="list-style-type: none"> - The weather sensor's wires are not mounted correctly - Terminal 21-22 are short-circuited. Possibly due to clock / building alarm / CTS
LED 4 (Line monitoring actuator output) Lights	<ul style="list-style-type: none"> - J2-J3 is not set correctly - Output fuse defective (8A fuse) - Wires in terminal 2-3 are pole reversed Alarm = Window open } Proper operation Reset = Window close }
LED 5 (Line error BVT fire switch) Lights	<ul style="list-style-type: none"> - 10 KΩ resistor must be removed in terminal 13-14 when fire switch is installed. - J1 in the fire switch is not fitted - Wires are not mounted correctly - J1 is in "ON" in other than the last / only fire switch
LED 6 (Line error detector) Lights	<ul style="list-style-type: none"> - Wires are not correctly connected in the detector - Detector not "clicked" (turned) correctly in the socket
AC error 	<ul style="list-style-type: none"> - No 230VAC supply for control panel - 230V switch in control panel not turned on - Power supply under Main PCB is defect
Line error 	<ul style="list-style-type: none"> - Check internal LEDs on main print to see which output / input has a line error - Ribbon cable from cover or Jumper on J9 is not mounted
Opening system runs in reverse	<ul style="list-style-type: none"> - Wires in terminal 2-3 are pole reversed Alarm = Window open } Proper operation Reset = Window close }
Control panel enters alarm mode immediately	<ul style="list-style-type: none"> - Check connections to any fire switch/ detector (mismounted) - Verify that connector leads in terminal 16-17 and 13-14 do not touch each other
OK LED lights together with AC FAIL / BATT LOW / LD4 / LD5 / LD6 / LD7 (No sound)	<ul style="list-style-type: none"> - Snitch function (DIP5) is ON. (Reset = DIP5 OFF – ON)