



Guide to installing KSUA-KSUB

The following is a general explanation of the recommended installation procedure. See the connection diagram for details of the connections.

1. Connect any smoke detectors and terminating resistors to both detector groups. This does not apply to KSUB Light.
2. Connect dampers to the KBOX and on to the KSUB or KSUB Light
3. If just one damper is connected, set jumper 4. The following jumpers must be set: 4 and H.
4. Connect the power and run the test. The factory setting of the KSUB is "stand alone" (changed with jumper H).
5. At the start of the test the dampers are at NORMAL (indicated with a green LED). The test usually starts with a fan delay of 30 seconds (not KSUB Light, which does not have a fan connection). The dampers move to off (indicated with red LEDs). The maximum time for this part of the test is 30 seconds. Power is then switched on to the dampers, which exit the off state. While NORMAL is lit, there must be no error messages (no red LEDs). During the transition between NORMAL and OFF, none of the mode indicator LEDs must light up. The maximum time is 200 seconds for the transition between OFF and NORMAL.
6. If no alarm/error message is received, the dampers are correctly connected and the group/groups are operational.
7. Remove jumper H, which limits the unit to "stand alone" operation.
8. Give the unit an address. The addresses go from 0 to 31. With no jumpers set, the address is 0. With jumpers set at 1,2,4,8 and 16, the address is 31.
9. Carry out steps 1-4 for all KSUB units.
10. Make sure you connect both ends of the network by setting jumper I (KSUB) or PL1 (KSUA) in the units farthest apart on the cable.
11. Connect the units in the network to the KSUA (the network cable must be connected to all KSUB or KSUB Light units). All dampers are now closed .
12. Install/configure the damper groups (max 64) in the KSUA control and monitoring unit. When the dampers are configured in the KSUA, the relevant KSUB is polled automatically.
13. Configure the detector groups/smoke detectors. See page 4 of the KSUA description.
14. Connect the relevant inputs and outputs to the KSUA

Connection diagram – note that the cable routing is optimised if a KBOX is connected to each fire damper.

