

Quick Install Guide



Your model number is printed on a label inside the panel's front door. The connector designations are shown on pages 24, 29 and 31 of the manual and are also marked on the PC boards.

1. This panel uses female block connectors of the type shown on page 28 of the manual. They are shipped loosely mated to their headers on the circuit boards and can be easily removed to attach wires to them. The pins are numbered and a screw driver with the right sized blade is included with the accessories to tighten the wire clamps on each pin. The connectors are all designed to mate with wire sizes between 16 AWG and 26 AWG. Do not exceed these AWG sizes or else the connections could be intermittent.
2. The unit is pre-programmed with the default DIP switch settings shown in Figure 21 on page 37 and for most installations is ready to "plug & play".
3. Connect the supplied 15 VDC power supply to J5 per the diagram in the manual shown on Page 21. If you have ordered a model powered by your own 24 VDC or 48 VDC power supply, follow Figure 11-B on page 22.
4. Verify when you press the "PUSH to TEST" button the LEDs momentarily turn RED, GREEN and BLUE. The LED colors indicate as follows:
 - **Flashing RED** = Alarm
 - **Flashing BLUE** = A disconnected, shorted to ground or miswired connection to the BDA or backup DAS power supply alarm relays
 - **Solid GREEN** = OK (no alarm)

If you have a Model 1221-C version, see page 18 of the manual for an explanation of the LED colors.

5. The SYSTEM LED will flash RED if any of the other alarms are active or if there is any BLUE flashing connection alarms.
6. Figure 2 on page 9 of the manual shows the standard connections to the BDA and backup DAS power supply via CAT 6 twisted pair cables. The CAT 6 wires should be connected as shown to the J1 block connector on the MOTHER Board located inside the body of the panel. The length of the CAT 6 cable is not critical. (see page 3 of the manual for cable length details)
7. Make sure you have installed the end-of-line 10k Ohm resistors near the DAS equipment. These resistors and some spares are included in a bag in the box marked ACCESSORIES. The resistors are required by code to monitor the status of the wires between the DAS equipment and the panel. The panel provides a 10 VDC voltage to these resistors that load the circuit to pull down this voltage. **The alarm relays in the DAS equipment should be programmed to close when there is an alarm or loss of power to the DAS equipment so the relay contacts effectively place a short circuit across the resistor.** This is the standard convention that most equipment uses. If you measure the DC voltage across the resistor you should measure approximately (plus or minus) 4.8 VDC when everything is normal and 0 VDC when there is an alarm.
8. If an alarm is working the opposite of this and it's not possible to rewire or reprogram the alarm polarity of the DAS equipment relay, DIP Switches SW3-1, SW3-2, SW3-3, SW3-4 or SW3-5 can be used to reverse the polarity of the panel circuitry that detects these alarms. (See Table 1 at the bottom of page 32 in the manual.)
9. If you are using any of the 1221-A models to monitor the donor antenna with external bias-T's, see page 13 of the manual.
10. The wiring to the building's fire alarm panel from connectors J2 and J7 (on the LED board mounted to the back of the door) are shown in Figure 5 on page 12 of the manual. Each fire alarm panel will have different end-of-line resistors that are specified by the manufacturer and are required by code to be installed inside our panel to monitor the cable connections between our panel and theirs. These resistors should be supplied by the fire panel installer and mated to connectors J3 and J4 (on the LED board). Figure 20 on page 31 of the manual shows these dedicated connectors that are used only for these resistors. No other wires should be mated to these connectors. The actual wires to the fire panel come from connectors J2 and J7.
11. After everything is working as expected, install the panels' backup battery as described on page 25 of the manual.
12. Call us at **303 526 -1965** for any questions, problems or customer service. E-mail: **sales@DASAlert.com**.