ALARM PROCEDURES

NEW BUILDS – (Pre-Wire)

Select a good spot for the main control box to be located. Somewhere out of sight but easy access for servicing. Closets are ideal, if limited space in closets ceiling is ok but position right beside manhole.

Run security cable from main control box to each device using minimum .2mm 4 core security cable. .5mm security cable for longer runs and 6 core security cable if possible for external siren.

Cable to be positioned at 2.4m high for PIR devices. Position PIR cable in corner of room that will have the best view of the entire room.

Internal siren cable to be positioned above passage door high on wall - not on ceiling. Measurement to be taken to allow cut out once gib board has been installed.

Telephone cabling to be ran from main control box to main telephone connection or hub for future monitoring connection.

Spare security cable to be ran to garage door control button for future control of garage door

Keypad cabling to be mounted 1300mm high centred above light switch coming through timber

EXISTING HOUSE – (Pre-Wire)

Select a good spot for the main control box to be located. Somewhere out of sight but easy access for servicing. Ceiling right beside manhole is ideal.

Plan where each PIR is to be positioned, decide on the best location for the keypad, internal siren and external siren.

Using a long 10mm security drill bit (or smaller) drill up through the corner of each room where the PIR is to be mounted into the ceiling (Only if ceiling stud is 2.4m). If ceiling height is above 2.7m or if access to the corner is going to be a problem drill a hole in from the corner of the room ready for a ceiling mount bracket to be used. Measure off enough cable for each PIR and external siren to reach the main control box. Clearly label the end of the cable going to the control box (approx. 300mm from the end to allow label to remain on cable after termination. Poke around 3 – 4 metres of each cable in the required hole. Remove the light switch below where the keypad is to be located and disconnect the switch line going to the light. Tape the security cable to the switch line ready to be pulled up the wall. Drill out (using a 54mm hole saw) for the internal siren in the desired position.

Get a piece of 20mm conduit (around 2 metres long) and tape a piece of catenary wire on the end of it to form a hook. Jump in the ceiling and using the conduit and hook fish each cable and run back to the control box. Drill through the top plate in the correct position for the internal siren and run the security cable for the internal siren.

Pull up the switch line from the light switch to get the keypad cabling, pull enough cable up and tape the switch line back on to the security cable. Pull the security cable back down the wall to allow switch line to be re-terminated. Drill the keypad cable through the gib above the light switch.

Run the required 240 volt cabling from the alarm control box to the closest and easiest point for the mains connection.

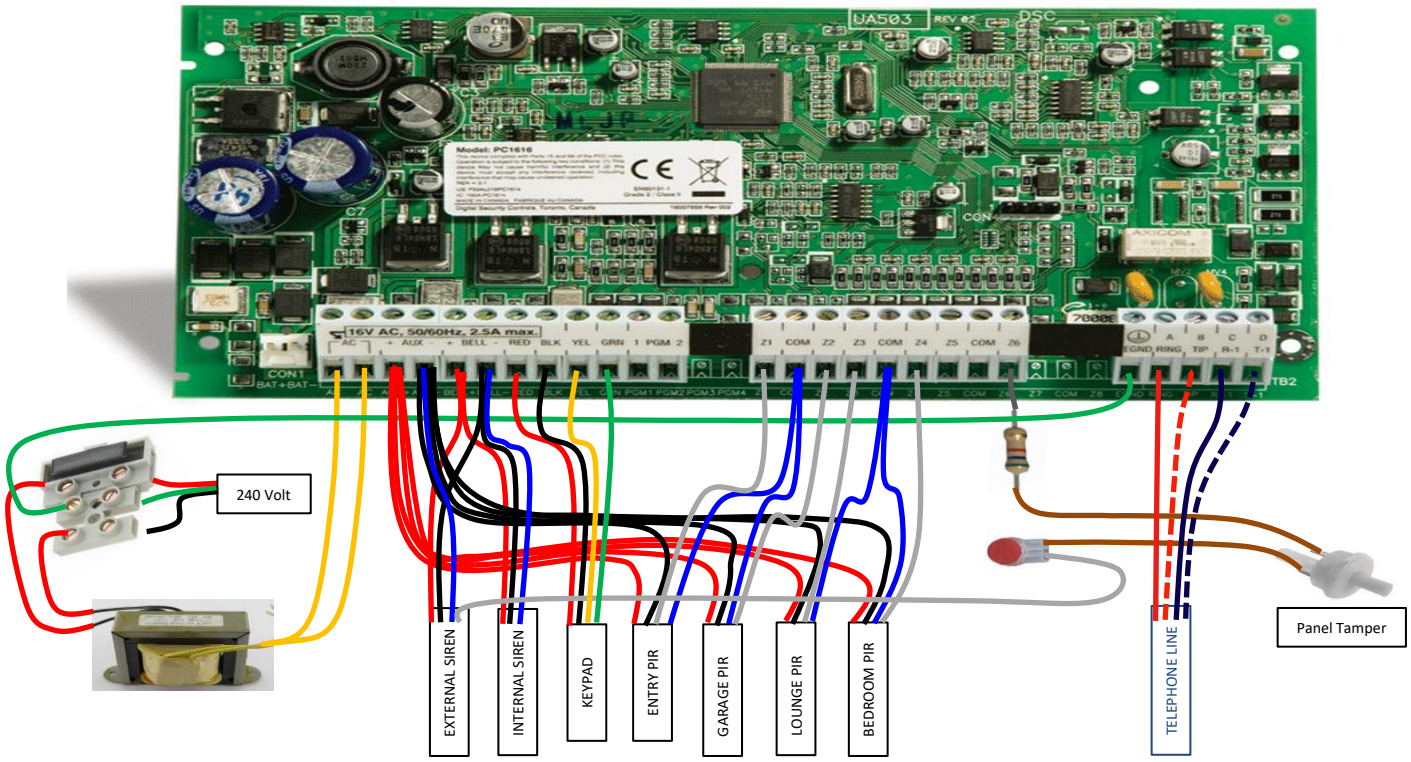
ALARM SYSTEM FIT OFF

Main Control Box

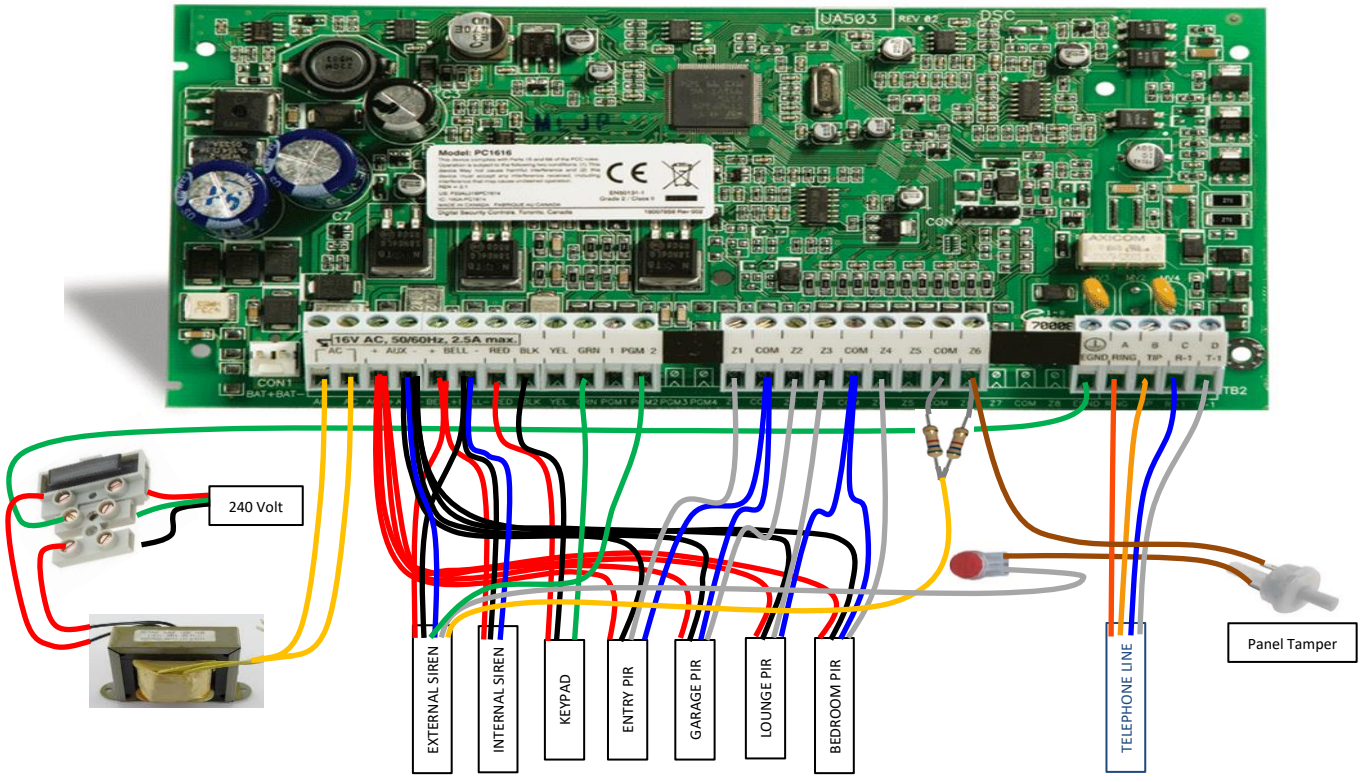
Unpack the alarm and all its contents. Poke through the plastic stand-offs through the back of the panel enclosure to allow the circuit board to be mounted. Position the panel tamper bracket on the panel and mount the alarm control box to the wall. Ensure you have good fixing on all holes either on timber or using hollow wall anchors (including the tamper switch bracket).

Fit off the control box as per diagram's on the following page… (Leaving the label on each cable for future fault finding). (note the phone connection requires a filter and should grab the incoming line prior to feeding back to the other phone connections).

MAIN PANEL WITH 4 CORE CABLE TO EXTERNAL SIREN



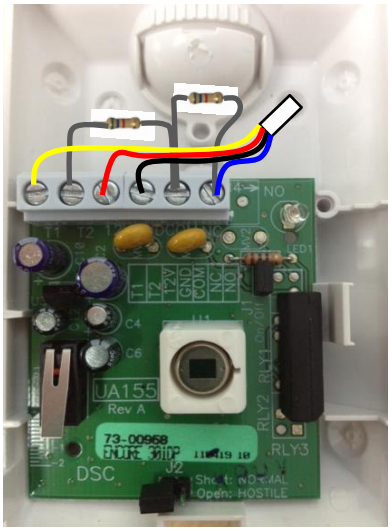
MAIN PANEL WITH 6 CORE CABLE TO EXTERNAL SIREN



PIR's

Open up the PIR, remove the circuit board and drill a small hole through the back of the PIR casing (just enough for the cable to come through to prevent bugs nesting in the PIR). Position the back of the PIR in the corner of the room (positioning the PIR to point at the opposite corner of the room – i.e if a rectangular room position the PIR to point towards the far corner – not 45 degree).

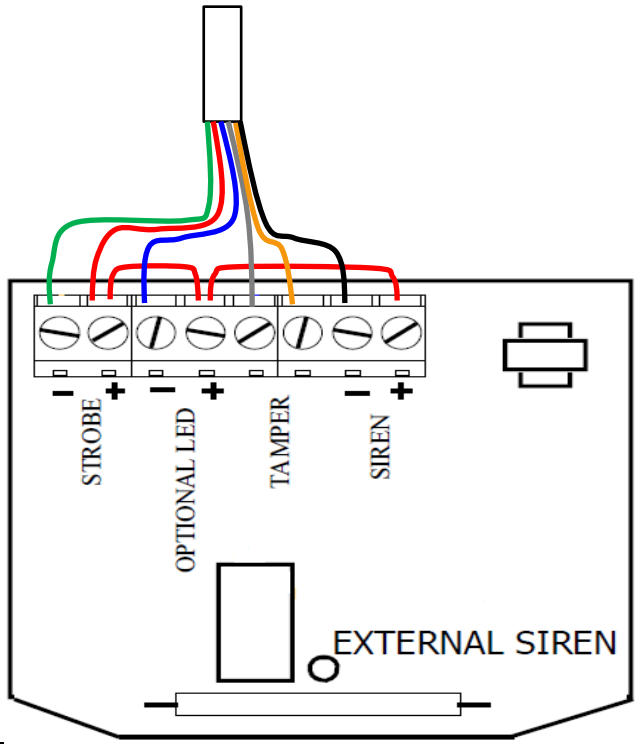
Fit off the PIR using "Double End of Line Resistor" configuration as below…



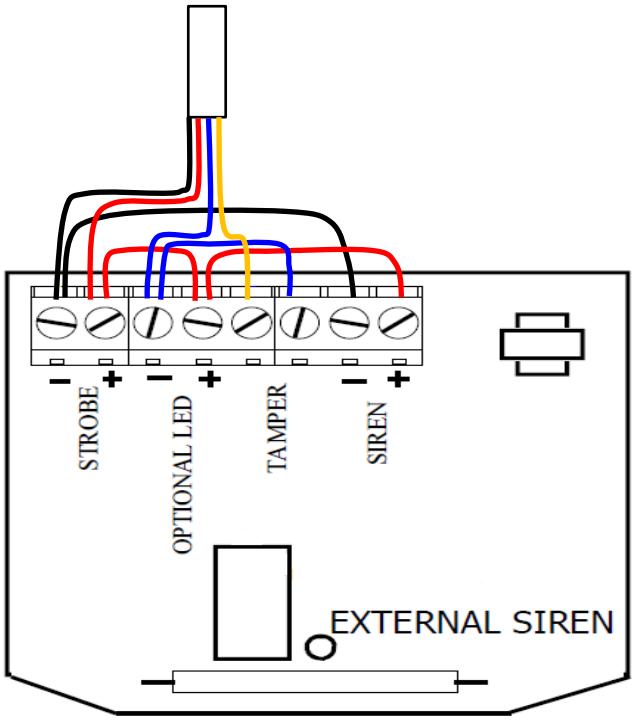
EXTERNAL SIREN

Secure the external siren to the wall/ soffit ensuring the tamper switch activates on a level surface. (It may be necessary to adjust the tamer to ensure it is activated). Drill a pilot hole in the fibrelite / weatherboards prior to screwing back. Use only stainless screws outside to fix back.

Terminate the external siren as below (if using 6 core cable)



Terminate the external siren as below (if using 4 core cable)



KEYPAD TERMINATION

Secure the keypad to the wall using 4 screws into timber (if no timber use hollow wall anchors).

Connect the keypad cabling as per the labels – RBYG (Red, Black, Yellow, Green) or (Red, Black, White, Blue).

INTERNAL SIREN CONNECTION

Double up on the security cabling (Red & White and Black & Blue) and connect using 3 port 3M type phone crimps.

WIRELESS REMOTE CONNECTION

Connect the wireless remote receiver to the keypad com-bus terminals in the main panel and connect the garage door control cable across the N/O terminal of the wireless receiver relay circuit and wire the cabling in parallel with the garage door control switch.