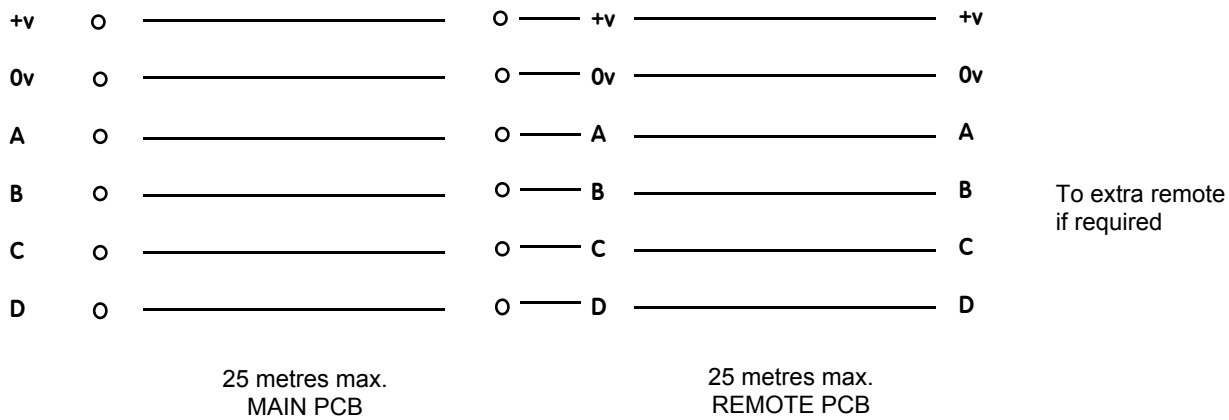


# REMOTE KEYPAD INSTALLATION INSTRUCTIONS

Remove the two screws on the front of the keypad housing, remove the cover then the keypad backplate. Place the keypad backplate to one side for the time being. Locate and remove the line driver IC, this is taped to the back of the keypad backplate, the legs of the IC are pushed into polystyrene foam to prevent damage. The IC needs to be fitted into the bottom right hand corner of the main printed circuit board of the main unit. See later for fitting details).

Remove the two speaker wires from the bottom left terminal block, remove the 3 screws holding the printed circuit board in the rear of the case and remove the board carefully.

Surface or flush mount the back of the box to a suitable surface, leaving sufficient space for 6 core cable. 4 knockouts are provided on each side of the case back. Remove all power, ie: mains and battery from the control unit and run a 6 core screened cable between the remote unit and the main panel. (Connect the 6 core cable as indicated below).



If screened cable is not used, satisfactory results may sometimes be obtained by using 6 core telephone cable as this contains 3 X 2 twisted pairs. (Connect as follows).

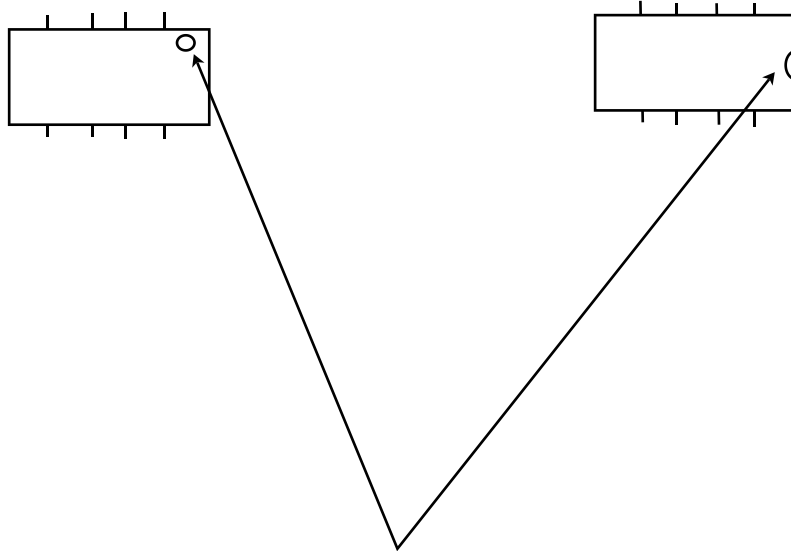
- PAIR 1    +ve    AND    0v
- PAIR 2    A        AND    B
- PAIR 3    C        AND    D

It is recommended that either screened cable or 6 core telephone cable (with twisted pairs) is used between the main unit and the remote control unit thus ensuring that no external noises interfere with the performance.

Up to 5 remotes can be wired together in parallel, it is not necessary to return the wires to the main PCB. The wire can be connected to the nearest remote unit if required, it is recommended that the maximum cable length is 25 metres). Reassemble the PCB unit into the case back, then carefully insert the keypad tail under the white locking bar and fully into the blue part of the connector, when fully pushed home, snap down the white locking bar to hold the tail in position. Ensure the LED's on the PCB have not been moved, cover the PCB with the keypad plate and reposition the front housing and insert the two screws.

## INSTALLING THE LINE DRIVER IC INTO THE MAIN UNIT

Locate the IC socket on the bottom right hand corner of the main PCB, very carefully insert the 8 pin IC into its socket with the indentation on the device to the right hand side (the identification lettering on the IC may or may not be upside down). (See sketch).



### **IC INDENTATION**

IC SHOWN LARGER THAN ACTUAL SIZE

Some force may be required to press the device firmly home, be careful not to bend any of the legs. Replace the lid on the main unit. Installation is now complete.

The remote keypad or keypads now operate in exactly the same way as the keypad on the main unit and all functions that can be carried out via the main unit can now be carried out via the remote unit or units (the only exception being function 88, if this is used the system must be reset at the main unit).

When connecting the remote unit to the main control panel, please note the following:

- For Green P.C.B. On main unit cut link B in remote control.
- For Cream P.C.B. On main unit cut link A in remote control.