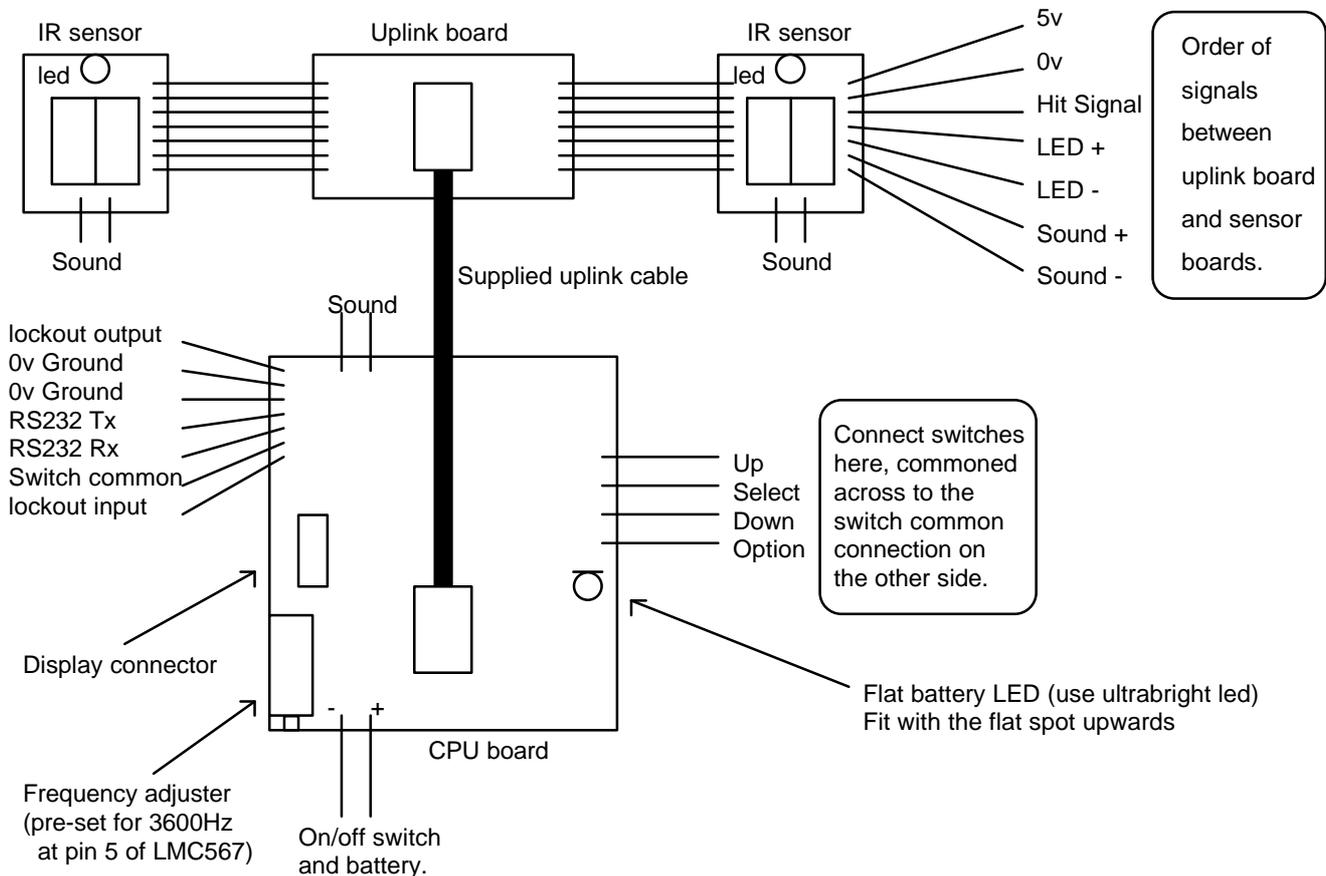


  
**The SmartSensor** electronic tag board.  
*Designed by, built by, and obtainable from: Dave Bodger.*  
**Installation Guide**

The SmartSensor is made up from circuit boards which need to be fitted together in this order: -



The wiring between the sensor boards and the uplink board can be kept to a minimum by just connecting up the wires for the functions you need. I.e. if you fit the sounder to the uplink board you do not need to run the two sound wires out to the sensor boards. If you only have a hit LED on the front sensor, you do not need to run the two LED wires to the back sensor. etc.

The hit/flash LED can be fitted to either or both sensor units. Supplied with one fitted as standard. The piezo sounder(s) can be fitted to any or all of the boards (maximum 3 sounders). Normally most people will not fit 3 sounders, so there will be spare sound connections on the edge of the uplink board if you want to fit a sounder there instead of either of the sensor boards.

I recommend always fitting a sounder to the main CPU board. Additionally, you can also fit a crystal earpiece to any of the sound outlets if you want to. The sound connections should otherwise only be used to connect to piezo sounders. Any other type of loudspeaker or buzzer will make the circuit malfunction.

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