

## Three Tone Sounder Operation

### Single and Two Tone Units

The DB3 sounder comes as standard with 27 user selectable tones. Any one of these tones can be chosen as the operating tone by setting the internal switches to the combinations shown in the table provided with the unit.

The DB3P sounder provides the option of 2 selectable tones, i.e. the user may choose 2 different tone settings that can be determined from outside the sounder, by either changing the polarity (swap the +ve and -ve supplies) or by the use of a second neutral. Hence the user does not need to open the unit to change the tones. Again, the tones are selectable from the cache of 27, and the user selects the tone by setting the internal switches to the desired positions. To accommodate the 2 tones, there are 2 separate sets of internal switches.



### Three Tone Operation

The DB3 three tone remote units provide 3 user specified tones, all selectable external to the unit, so the user may change between the 3 tones at any time without opening the sounder. This is achieved by use of a remote control circuit.

To provide the three switchable tones, the internal switches are removed and replaced by terminals. The user will provide a power supply, which may be constant if required. Independent from this power supply, the user can then select one of three tones. This is achieved by making a connection between the neutral (terminal 4) and the appropriate terminal for the required tone, using a switch external to the sounder. When this switch is operated, the desired tone will be activated (providing the power supply is on).

To change the tone, the connection between Neutral and the tone terminal must be broken and a connection made between neutral and the appropriate terminal for the new tone. For example, if the user requires tone 1, he will close a switch to connect the neutral (T4) to terminal 1.

The user must choose the 3 tones he wishes to operate at the time of ordering. These three tones are then programmed into the chip during manufacture and cannot be changed because the internal switches, used in the standard DB3 & DB3P units, are replaced by terminals for ease of installation.

### Summary

The DB3 three tone remote sounder provides a convenient option for applications requiring three tones from one unit, selectable in the field. Each tone is chosen by the customer at the time of order. It can be used in conjunction with PLCs, relay logic or even standard switches to select the tone of choice. Operation may be with a constant supply: the control system (PLC, switch etc.) will then operate the sounder with the desired tone.