

Mains Interference

Your Bellringer is a sophisticated item of sensitive electronic equipment, containing a computer chip which can be disturbed by strong interference from the electricity supply.

If you experience difficulties such as these -

- i) Time of day gaining or losing a few minutes each day
- ii) Extra bells ringing without any time appearing on the programme.
- iii) Bells not ringing when programmed -

then it is likely that the unit has suffered from mains interference. You should then follow these procedures in the order listed:

1) Reset the unit as follows:

- a) Disconnect from the mains - if the unit was connected via a fused spur box, then simply unscrew the fuse.
- b) Unscrew the four corner screws and carefully draw the front panel away from the back panel, being careful not to allow the front panel to hang by the ribbon cable.
- c) Carefully unplug the grey ribbon cable from the back panel (this disconnects the battery).
- d) Plug the ribbon cable carefully back into the back panel, making sure all 6 pins of the male socket marry with the 6 holes of the female plug.
- e) Reassemble the unit by doing up the four corner screws again, but do not over tighten.
- f) Reconnect to the mains - replace fuse in the spur box.
- g) Reset the time and the programme as described in the user leaflet (under Time of Day (p.2) and Setting Switching Times (p.3).)

2) Ensure that the unit is sited well away from all other electrical equipment (including telephone exchanges) since these may contribute to mains interference. Move it if necessary.

3) If this does not resolve the problem, despite the shielding and suppression already built into the unit at manufacture, the following suppressors should be fitted inside the unit:

a) A class 'Y' 250 V a.c. working capacitor (0.047 μ F), fitted between the live and earth terminals. Note that all units despatched after October 1989 *already* have this item fitted as standard.

b) A contact suppressor (e.g. 100 Ω resistor and a 0.1 μ F capacitor in series), fitted between the relay terminals - terminals 1 and 2 - of the unit.

These must be installed by a qualified electrician, and any exposed leads from these suppressors must be sheathed.

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