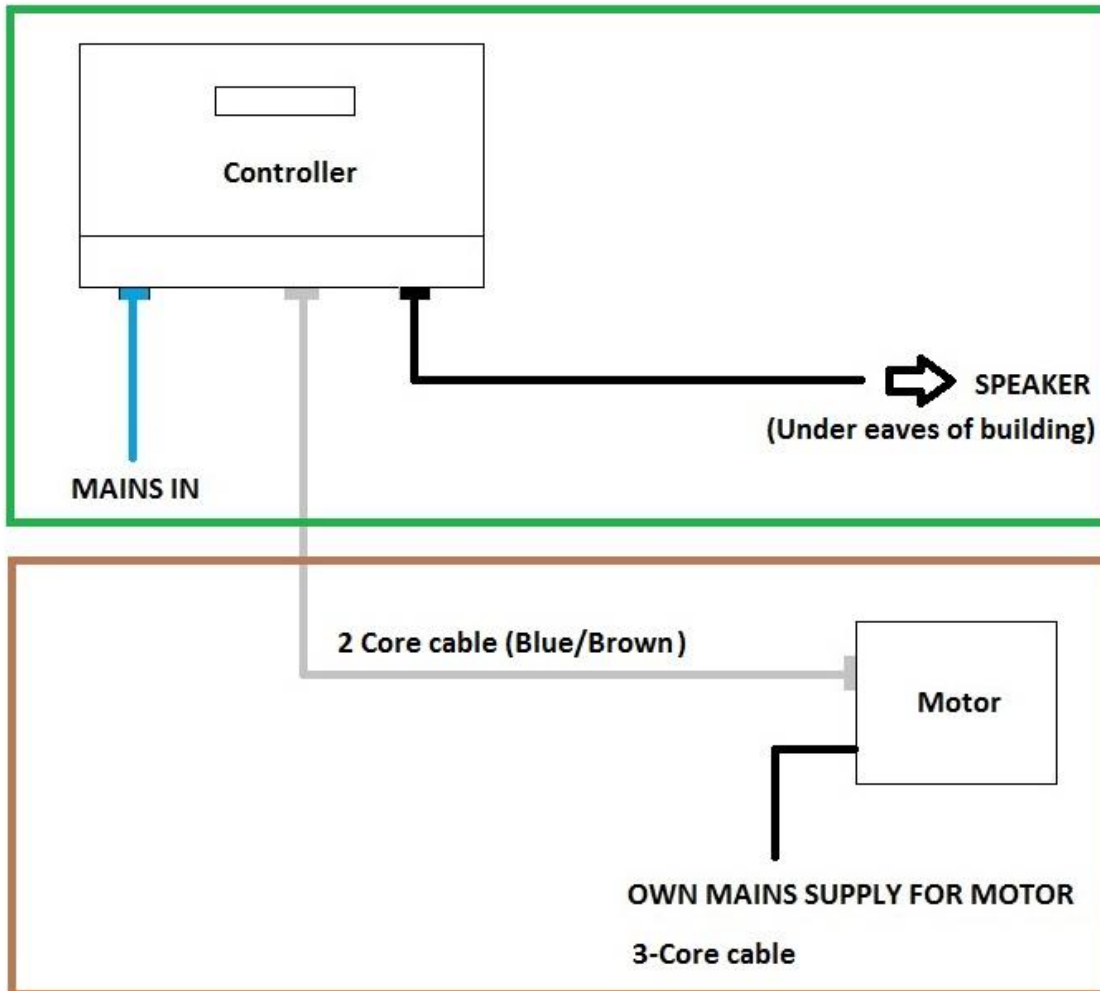


The Digital Bell system synchronises the clock motors by sending a low voltage ON/OFF signal to an optocoupler inside the motor. The motors have a slotted wheel as a position sensor to determine when the hands have moved on in 1 minute intervals. Each motor has a power supply cable and a signal cable.



SETUP:

- If the clocks have been supplied new, then the hands will normally be positioned at 12o'clock. If fitting the hands yourself to a new motor, they should be fitted at 12o'clock making sure that the bosses and screws on the fixings do not touch each other. DO NOT ATTEMPT TO TURN THE CLOCK HANDS ONCE SECURED. This will damage the motor and invalidate the guarantee.
- The motor casing should be supported on a suitable timber support using the two front nuts on the drive shaft in front and behind the dial to support to hold the drive shaft in place. DO NOT remove the third nut next to the motor casing. Do not drill the casing of the motor as this risks damage and debris inside the casing.
- The mains cables (BLACK 3-Core 0.75mm) should be connected to a permanent supply with a 3-Amp fuse and a surge protector to protect the motor circuit boards.
- The signal cables should be connected in parallel to a junction box and a similar 2-core cable should then be run to the intended location of the wall mounted control unit (Max 20 metres away)