



# As Time Goes By ...

## CLOCK MOVEMENT & CLOCK CONTROL SYSTEM

*SET-UP INSTRUCTIONS AND SPECIFICATION MANUAL*

*PLEASE FOLLOW THESE INSTRUCTIONS CLOSELY*

DO NOT WIND THE CLOCK HANDS MANUALLY

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## TOTAL CLOCK CONTROL SYSTEM SPECIFICATIONS:

Case Dimensions: L=156mm x W=100mm x D=60mm

Power: 12-15 Volts via Power Supply Unit

The controller has a built in extremely accurate real time clock chip. This allows the clock to be set/ adjusted via the controller. The clock position is entered into the controller and the clock advances to the correct time.

Following mains power failures the controller will advance the clock to the correct time when the mains power is returned.

## TIME CHANGES:

The controller is pre-programmed with the BST/GMT time changes for 20 years from date of purchase. At 2.00am on the appropriate date, the controller will advance the clock to the correct time.

## POWER REQUIREMENTS:

A single 230v power supply rated at 3amp is required. A standard 3-pin power point is suitable into which a 12 volt power supply unit can be plugged. Consumption is approximately 20 units per annum / per clock.

## SETUP: FITTING THE HANDS:

It is important that the minute and hour hands are synchronised together at the 12 o'clock position. Firstly ensure that the mechanism is securely fixed using either the nuts on the threaded shaft of the mechanism or if a fixing plate is being used tighten the 2 screws on the brass boss.

- Carefully fit the hour hand onto the brass hour shaft of the mechanism and then tighten up the stainless steel screw(s) on the hand collet ensuring that the hand is in line with the 12 o'clock position.
- Fit the minute hand to the stainless steel spindle, again ensuring it is vertical and in line with the hour hand and 12 o'clock position then tighten the stainless steel screw(s) on the hand collet. It is important that there is a slight clearance between the hands and that they do not rub against each other.
- Alternatively you can set the hands to any time to start the clocks but we recommend that they hands are fitted on an hour.

## STARTING THE SYSTEM:

Fix the clock control unit to a suitable wall/position. We recommend that this be within 3m of the clock as we supply a 3m lead as standard. Should this not be possible a long lead may be required and a specific length requested at the time of order.

FIT THE LEAD TO THE CLOCK BUT NOT TO THE CONTROLLER.



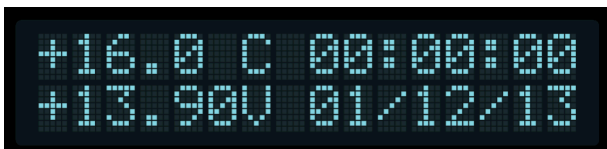
CLOCK LEAD

POWER SUPPLY

- Connect the lead from the power supply unit to the controller and turn on the mains power.

AT THIS POINT WE RECOMMEND THAT THE LEAD TO THE CLOCK BE NOT CONNECTED TO THE CONTROLLER.

- If installed, ensure the GPS receiver has a line of sight to the sky.
- The display will illuminate and the time and date will be displayed. Please ensure the information is correct.



- At this point you should now set the dial time in the controller using the following sequence. We recommend that the clock hands be set at the 12 o'clock position.
- Using the joystick control on the front face of the controller:
  - Press DOWN Once.
  - The following screen will be displayed.
  - "System time edit" will be flashing.



- Using the joystick control on the front face of the controller:
  - Press DOWN Once.
  - The following screen will be displayed.
  - "Dial time edit" will be flashing.



- Using the joystick control on the front face of the controller:
  - Press RIGHT Once.
  - The dial time will be flashing.



- Using the joystick control on the front face of the controller:
  - Press UP/DOWN to increase/decrease hours.

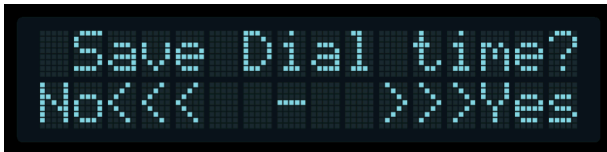


- Using the joystick control on the front face of the controller:
  - Press RIGHT to enter minutes.
  - Press UP/DOWN to increase/decrease minutes.

IF THE DIAL IS SET TO 12 O'CLOCK THE DISPLAY SHOULD READ 00:00

PLUG IN CLOCK CABLE

- Using the joystick control on the front face of the controller:
  - Press LEFT TWICE
  - The display will show "Save Dial time".
  - Press RIGHT to select "YES".



- Using the joystick control on the front face of the controller:
  - Press LEFT to exit setup and return to the home screen.



THE CLOCK WILL NOW ADVANCE TO THE CORRECT TIME.

## PROBLEM SOLVING:

- Check the power supply to the socket.
- Check that there is power to the controller, the display will be illuminated.
- Check all plugs and leads are connected correctly.
- Check that the clock hands are not obstructed.
- Check for signs of vandalism.
- Following power failure or initial setup, the clocks may remain stationary if it is more time efficient to wait for real time to catch-up to the dial time that advance the clock hands.

## CONTACT US:

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