

MODEL 777C DIGITAL CLOCK INSTALLATION AND OPERATION

Some models have a protective plastic film covering the front face. Remove before use.

This clock is designed for operation from a 12 or 24v DC source only (9 to 28v). It draws about 40mA (.04 amps)

Allowable ambient temperature range -20 to + 50° C. The unit, cables and connections are not waterproof.

The display type is designed for indoor use, it is not designed to be readable in full sunlight.

The two power wires (+ and -) are terminated in a standard Lucar type housing. If desired, this may be removed and the two wires connected to your power source by whatever means suitable. Ensure you connect with correct polarity

RED IS TO POSITIVE (+) BLACK IS TO NEGATIVE (-)

As usual best practise, place some sort of switch in the positive lead, please ensure all + wiring is fused as near as possible to the voltage source (battery) and all wires run in a workmanlike manner. Use a fuse rating of ½ or 1 amp. All connections must be secure, low resistance and protected.

MOUNTING

The clock is intended to be mounted on an overhead surface, with the display facing the desired area.

To mount, first remove the 2 plastic covers on the rear of the case. They are retained by natural 'spring' pressure in the main case body. A tab at the top of the cover can be seen by looking down inside the case.

To remove, press the tab downwards, then bend and pull the top of the cover outwards from the rear of the case.

Access can now be gained to allow two screws to be used in attaching the clock to the overhead. After the screw mounting is complete, replace the covers. Locate the bottom lugs first and 'bend' or 'spring' the top tab into place.

BATTERY REPLACEMENT

A Lithium Cell, type CR2032, retains clock memory. The clock must be removed and dismantled to replace it.

Insert a small pointed object at the top of the rear screw covers, press firmly inwards and downwards to remove.

Lie the clock face down on a soft surface and remove the 5 small screws holding the case parts together.

Carefully lift the rear case from the front panel. Do not strain the 3 small wires at one side. Lie the rear case on it's back and remove the 4 screws holding the circuit board to the rear case. Partially removing the circuit board from the rear case will reveal the battery in it's holder (it may have tape over it). Gently lift the edge of the holder slightly and slide the battery out. Take note of the polarity. The + sign on the battery must face upwards (be visible).

SETUP

This clock can display in 12 or 24 hour format.

The centre colons flash at 1 second intervals.

Temperature can be displayed in degrees Celsius (°C) or Fahrenheit (°F). Some models also display outside temp.

- (1) From the normal Time Display mode, press and hold the *SET* button, until the display begins flashing
- (2) Press *UP* to set 12 or 24 hour mode. Successive presses of *UP* will toggle the display between 12 or 24 hour
- (3) Press *SET* momentarily, the Hour Setting flashes. Press the *UP* button to set the correct hours
- (4) Press *SET* momentarily, the Minute setting flashes. Press the *UP* button to set the correct minutes
- (5) Press *SET* momentarily, the Year setting flashes. Press the *UP* button to set the correct year
- (6) Press *SET* momentarily, the Month setting flashes. Press the *UP* button to set the correct month
- (7) Press *SET* momentarily, the Day of month flashes. Press the *UP* button to set the correct day of the month
- (8) Press *SET* momentarily, your settings are now saved

To change the temperature display units (°C or °F)

- (1) From the Time Display, Press *SET* momentarily, twice.
- (2) Press the *UP* button. Each successive press of the *UP* button will toggle the display between °C and °F
- (3) Press *SET* momentarily, twice, to save your selection.

OPERATION

When power is applied the clock will display the time.

To display the other functions:

- (1) Press *SET* momentarily, once: Calendar is displayed. Month to the left. Day of month on the right
- (2) Press *SET* again momentarily: Inside Temperature is displayed
- (3) Press *SET* again momentarily: Outside Temperature is displayed (APPLIES TO ONLY SOME VERSIONS)
- (4) Press *SET* again momentarily: Clock is displayed once more
- (5) The *OFF/ON* switch on the front controls the display mode.

In the *OFF* position the display alternates; 20 secs-time: 5 secs-date: 5 secs-inside temp: 5 secs-outside temp (some)

In the *ON* position the display is locked at whatever parameter was being displayed at the time the switch was moved from *OFF* to *ON*.

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