# MODEL 787C 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 24volt DC source only (9 to 28v). It draws about 40mA (.04 amps)
Allowable ambient temperature range -20 to + 50° C. The unit and temperature probe are not waterproof.
The display type is designed for indoor use, it is not designed to be readable in full sunlight.
The required panel cut-out size may vary, depending on the panel thickness. Measure carefully before cutting.

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.

The clock uses a Lithium Cell, type CR2032, for memory functions. The clock case must be dismantled to replace it.
Remove the clock from the bulkhead, lie it face down on a soft surface, and remove the 4 screws in each corner.
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. 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. In 12 hour mode a PM indicator is displayed in the top left corner
The centre colons flash at 1 second intervals.
Inside and Outside Temperature can be displayed in degrees Celsius (°C) or Fahrenheit (°F)

(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 the two modes
(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)   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 (The applicable L.E.D. is illuminated)
(3)   Press *SET* again momentarily: Outside Temperature is displayed (The applicable L.E.D. is illuminated)
(4)   Press *SET* again momentarily: Clock is displayed once more

### WARRANTY

**In the event of malfunction or failure Cruising Electronics will, at their sole discretion, either repair or replace the unit, providing that:**
Malfunction has occurred within 12 months from the date of purchase
Any or all of the listed ratings of the unit have not been exceeded
The unit has been properly installed, with regard to correctly rated cables, fuses, switches and any other ancillary items which could reasonably be regarded as necessary to effect a safe and workmanlike installation.
Any factory seals must be intact.
The unit has not been exposed to any fluid, corrosive or hazardous substance, excessive airborne particles.
The unit is returned freight paid to Cruising Electronics or their nominated agent and proof of purchase is provided
**Please note that under no circumstances can Cruising Electronics be held liable or accept liability for any consequential damages or loss whatsoever, incurred as a result of installing or operating this clock.**