

**Note-Operated Timer.
Installation and Operating Instructions.**

Electrical Installation

The timer will require a fused double pole switch for the mains input. Wire the unit as shown in Figure 1.

Use cable of cross-sectional area not less than 1.0sq. mm (1mm²) and fuse with 3A fuse rated at 240V AC.

The use of 20mm conduit is recommended (use male thread adaptor with lock ring, for example Ega type EMA 1ZM). Alternatively fit a 20mm nylon compression cable gland to provide strain relief.

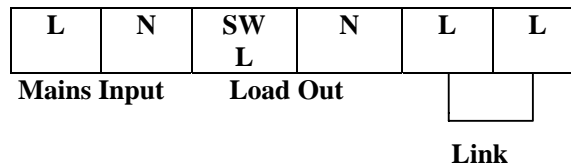


FIGURE 1. WIRING SCHEMATIC

Apply mains power, the note operated timer will self calibrate, once finished the note entry will illuminate. The timer is now ready to be used / programmed.

Button Operations

- | | | |
|-------------------|----------------|--|
| 1) Start | | Start the session when in the run mode. |
| 2) Stop | | Stop the session when in the run mode. |
| 3) Options | (Start & Stop) | Pressed together for 5 seconds. |
| 4) Edit | (Start) | Once in Options, pressed for 3 seconds will enable the edit mode |
| 5) Up | (Start) | Press to increment the option number (while in Edit mode) |
| 6) Down | (Stop) | Press to decrement the option number (while in Edit mode) |
| 7) Exit | (Start & Stop) | While in Options, press and hold for 5 second to return to normal mode |
| 8) Cancel | (Stop) | Only while in edit mode to cancel edit mode |

To set up the LNR

The two hidden programming buttons used in conjunction with the four digit display allows program options to be selected and to customise the timer.

To enter into the program mode **Press and Hold the Start and Stop buttons for 5 seconds.** The display will then change to show the option number. Use the **Up (Start)** and **Down (Stop)** buttons to reach the desired option code.

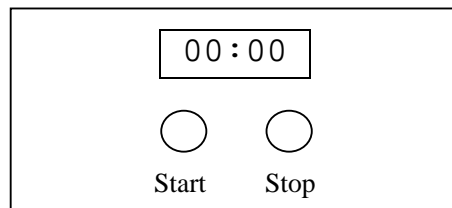


FIGURE 2.

Option	Type	Description
1	Session	Total sessions activated with the Start button
2	Lamp	Total hours the lamp has been on
3	Bed	Total hours the bed has been on including pre-time, session and cool down time
4	Mode	This is pre-set and can not be changed
5	MSC	<u>M</u> inimum <u>S</u> tart <u>C</u> redit. Set the minimum amount before start. I.e. set for 02 for minimum of £2
6	Pre-Time	Set to 0 if not required else 1 – 10 for pre-time in minutes
71 – 79	STPN	<u>S</u> ession <u>T</u> ime <u>P</u> er <u>N</u> ote. (Works in conjunction with Option B) Session time per note. If set to 00 then session time for this note location is disabled
8	Cool down	Cool Down after session time, if set to 0 then disabled else 1 – 10 for cool down in minutes
9	Lock Out	Maximum time, if set to 0 then disabled else 1 – 99 for lock out time in minutes
A	Clean Room	Clean Room function, on = Enabled, of = Disabled
B1 – B7	CVPN	<u>C</u> urrency <u>V</u> alue <u>P</u> er <u>N</u> ote. (Work in conjunction with Option 7) If Note 1 = £5 then b1 = 05
C	CT	<u>C</u> urrency <u>T</u> otal Totalled currency for accepted notes
D	Clock	Set Hours then Minutes, this has to be done in 24 Hour mode; once set, it can be set to 12 hour mode. This can be done by using the Up and Down buttons. Setting the clock to 00:00 will turn clock off.
E	Peak / Off Peak	Sets Peak and Off Peak operating times.

NOTE:

When setting STPN values (71 – 79) you must make sure that the CVPN values are set correctly.

I.e. if note 1 = 1 Dollar and will last for 2 minute

note 2 = 5 Dollar and will last for 10 minutes then option 71 will be set to 02 (2 Minutes) and option 72 will be set to 10 (10 Minutes). Therefore Option B1 will be set 1 (1 Dollar) and B2 will be set to 5 (5 Dollars).

Press **Up** button to required option, then press **Up** button for **3 Seconds** to enter into the **Edit** mode. To change the value use the **Up & Down** until required value is shown.

To **Return** from the **Edit Mode** do not press any buttons for **10 Seconds**. If the value has changed then this will be saved

To **Return** to the “**Run Mode**” press and hold **Start & Stop** for **5 Seconds**. You must be out of edit mode to do this.

In the event of an Error please refer to the table below.

Err0	Note not recognised
Err1	Mechanism running slow
Err2	Strimming attempted
Err3	CH 5 Note rejected (Fraud Channel)
Err4	Stacker Full of Jammed notes
Err5	Abort During Escrow
Err6	Note may be taken to clear jam

All errors will show for 10 seconds on the display before returning to the current task. If Err4 has occurred then it will be shown for 1 second, every 5 seconds until stacker has been emptied and Option C has been looked at.