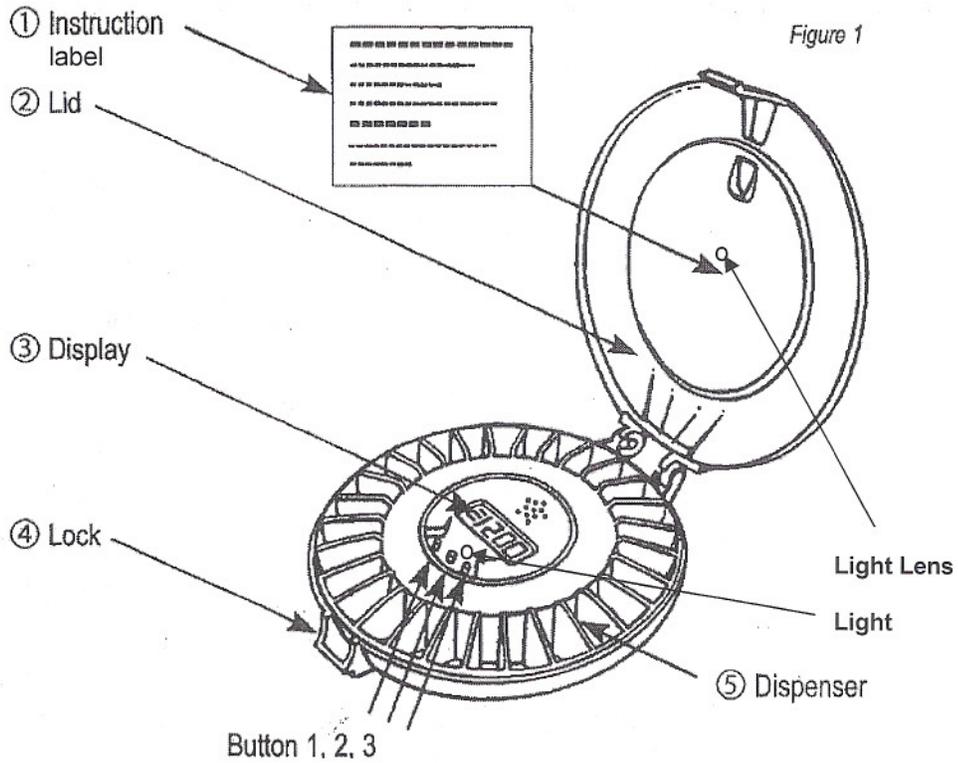


**Automatic Pill Dispenser
(Mark 3)
Instructions**

**PIVOTELL AUTOMATIC PILL
DISPENSER MODEL 3/07**

CONTENTS:



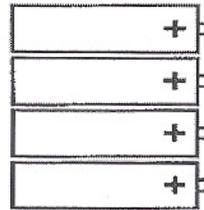
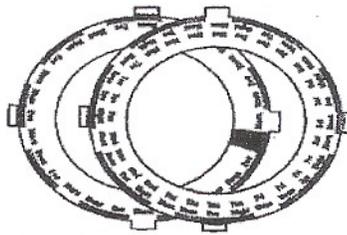
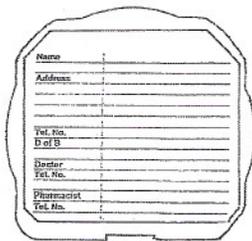
The pack also includes:-

6. Pharmacy label carrier and case

7. Three reversible day/time discs

8. Batteries -
4 x AA Alkaline

9. Key



PIVOTELL AUTOMATIC PILL DISPENSER MODEL 3/07

The Pivotell Automatic Pill Dispenser reminds the user by means of an alarm and flashing light when to take their medication. It will make the correct dose available at the correct time of day or night, whilst keeping other pills locked out of sight. Medication is dispensed from an internal tray containing 29 sections.

Maximum number of daily alarm settings - 28.

When the alarm sounds the internal tray will rotate clockwise one position. The medication will come into view in the lid opening. Pills should be removed from the dispenser by tilting the dispenser through 90° and pouring the pills into the hand or suitable container. This will cancel the alarm signal and the flashing light.

Technical data:

Dimensions - Length 190mm Width 180mm Height 56mm

Weight - 380g excl. batteries 480g incl. batteries

Compartment volume - approx 14.5 ml per compartment

Power supply - 6V (4 x 1.5V Alkaline batteries)

Battery life - > 1 year

USING THE DISPENSER FOR THE FIRST TIME

Open the lid as illustrated. Peel backing from instruction label (1) and stick it on the inside of the lid, taking care to place it centrally inside the inner circle of the lid.

Open the lid to the battery box (underneath the dispenser) and activate the dispenser by removing the battery isolating strip.

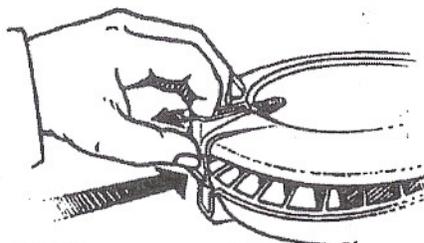


Figure 2

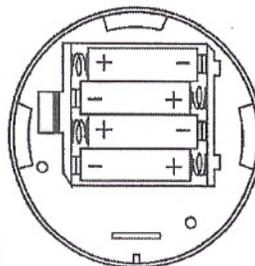


Figure 3

FILLING THE DISPENSER

1. Time Discs

Three day / time discs are supplied which comprise:

Two printed discs for 1 up to 4 medication prompts per day (use either side) and one blank disc for more than 4 medication prompts per day.

The discs should be completed by hand indicating the medication times.

NB: Before filling out the day/time discs, calculate which day/time you expect the refilled tray to start (particularly if a pharmacy will refill the tray) and start to the right of the red section

Place the appropriate disc (7) for the dosage in question on top of the tray (5). Secure the disc in place by bending down the four tabs - (a spot or two of glue will secure it further if preferred)

2. Medication (also see note on back page under 'Medication')

Remove the tray from the dispenser.

Starting from the right of the solid red section (not used) place the correct dosage in each section of the tray. *Note: if a pill is inadvertently dropped in the incorrect compartment, a pair of tweezers can be helpful to easily remove the pill.*

After filling, replace the tray in the dispenser so that the empty compartment marked by the solid red section will be visible through the lid opening – figure 4.

Ensure that the tray is placed in the dispenser so that when the lid is closed the right side of the Pill compartment is flush with the right side of the lid opening.

At the next alarm time the tray will rotate one section clockwise and make available the correct medication.

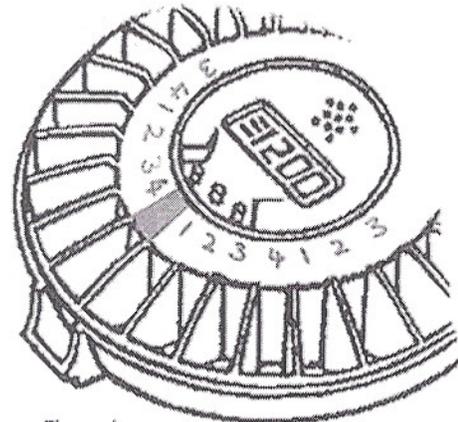


Figure 4

3. Spare trays with lids and time discs can be purchased to allow pre-filling.

Disposable tray sets (Pivotell Disposable Medication System) can be supplied to pharmacists as an option where trays are filled by pharmacists. (Full details obtainable from Pivotell Ltd)

4. Complete the pharmacy label carrier and, place inside the case, slide the case under the dispenser as shown and clip into position. (figure 5)

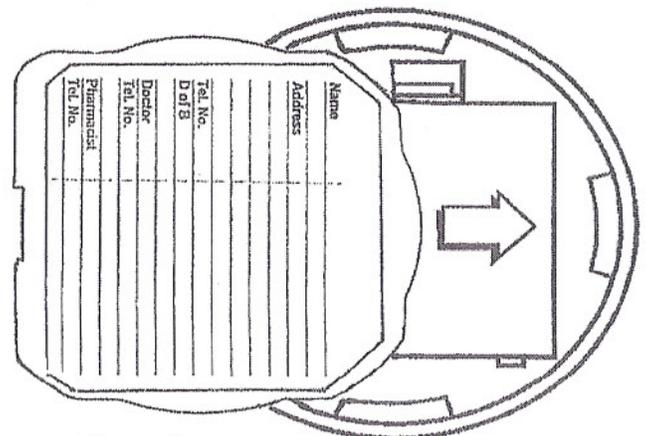


Figure 5

DISPENSER SETTINGS

There are two setting menus :-

Menu A:- (Button 1)

DOSES
ALARM
CLOCK

Menu B:- (Button 3)

BEFORE AFTER
SOUND LIGHT
HOURS DATE
RECORD TEST

Note:

After completion of settings in either Menu A or B press button 1 for three seconds to restore to normal operation. If nothing is done the display will automatically return to normal after 30 seconds.

Menu A (accessed through Button 1)

Set DOSES per day:

1. Press Button 1 until "DOSES" is visible on the display.
2. Wait a few seconds. Adjust using Buttons 2 and 3 to the correct number of doses per day.

Set ALARM times:

1. Press Button 1 repeatedly until "ALARM" is visible on the display.
2. Set the 1st (1) alarm time using buttons 2 or 3.
3. Press Button 1 again for the 2nd (2) alarm time and repeat the procedure for all subsequent alarm times required.

Set CLOCK:

1. Press Button 1 repeatedly until "CLOCK" is visible on the display.
2. Set the correct time by pressing Buttons 2 or 3. You can fast forward or reverse the time by pressing and holding down these buttons.

MENU B (Accessed through Button 3)

BEFORE

Taking medication before the pre-set alarm time

It is possible to take medication earlier than at the normal pre-set alarm time (max 30 minutes):

Turn the dispenser upside down and then turn upright again twice in succession. The dispenser will then rotate one step and the next dose will become available.

The time in advance that this can be done is controlled by the 'BEFORE' function, to set this:

Press and hold Button 3 until BEFORE is displayed.

Press Buttons 2 or 3 to set the time required (0-30 minutes maximum)

NB: If medication is taken before the normal time, the dispenser will not activate again until the following medication is due.

If this function is not required set at 00.00 .

AFTER

The length of time the alarm will sound / light will flash can be adjusted by the 'AFTER' function:

Press and hold Button 3 until BEFORE is displayed.

Press Button 1 repeatedly until 'AFTER' is displayed.

Select the required alarm duration by pressing Buttons 2 and 3 (minimum 5 minutes / maximum 1 hour)

SOUND

There are four alarm sounds available. To choose the alarm sound:

Press and hold Button 3 until BEFORE is displayed.

Press Button 1 repeatedly until "SOUNDS" is displayed.

Choose your preferred sound 01 02 03 or 04 by pressing Buttons 2 or 3.

Should no sound be required set at 00.

The alarm will sound every 4 seconds for the first minute, and every 30 seconds thereafter until medication is taken or the alarm duration limit is reached (see 'AFTER' function above)

LIGHT

Press and hold Button 3 until BEFORE is displayed. Press Button 1 repeatedly until 'LIGHT' is displayed.

If the light is not required press button 2 once – '00' will be displayed'

If the light is required press button 3 once – '01' will be displayed.

HOURS**24hr / AM-PM clock settings**

The dispenser is preset to display the time as a 12 hour AM/PM display. Should you wish to change this to 24 hour clock setting:

Press and hold Button 3 until BEFORE is displayed.

Press Button 1 repeatedly until "HOURS" is displayed.

Choose am/pm or 24hrs by pressing buttons 2 or 3.

DATE (for automatic BST / GMT adjustment)

Press and hold Button 3 until BEFORE is displayed. Press Button 1 repeatedly until 'DATE' is displayed.

'YY' is displayed – press Buttons 2 and 3 to set the year then press 1

'MM' is displayed – press Buttons 2 and 3 to set the month then press 1

'DD' is displayed – press Button 2 and 3 to set the date then press 1

RECORD

The dispenser will record the actual times the previous 28 medications were dispensed.

Press Button 3 for three seconds, then Button 1 until 'RECORD' is displayed – the time that the last medication was taken is displayed. Press Buttons 2 or 3 for the previous medication times to be shown.

Note: In both Menu's A and B if no buttons are pushed within 30 seconds the display will revert to the clock.

TEST

The dispenser has an inbuilt test function.

To test the rotation and alarm sounds press button 3 for a few seconds.

Press Button 1 repeatedly until 'TEST' is displayed.

Press Button 3 again – the tray will rotate, 'MOVING' is displayed and then 'TAKE' is displayed and the alarm will sound. Tilt the dispenser to stop the alarm. 'TEST' is then displayed. Hold Button 1 down to return to clock.

Note: If on **first use** the dispenser does not rotate and the alarm does not sound, remove a battery, replace and test again. The dispenser will then operate normally.

To test the '**BEFORE**' function, press button 3 for a few seconds.

Press Button 1 until 'TEST' is displayed.

Press Button 2. Close the lid and then turn the dispenser upside down twice.

Turn back to the upright position.

The tray will rotate and the alarm will sound. Tilt the dispenser again to cancel the alarm.

Press and hold Button 1 to return to the clock

LOCK

The dispenser can be locked with the key supplied. Turn the key a quarter of a turn clockwise to lock, anti-clockwise to unlock.

Please note that the lock is a simple device intended as an additional barrier only.

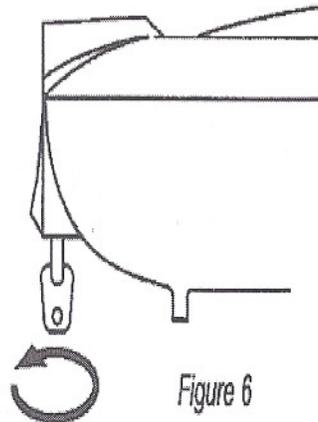


Figure 6

EXTERNAL INTERFACE

The dispenser includes an internal interface to enable connection of various existing and future support electronic devices, for example - wireless transmitters, modems, alarm sounders, alarm lights etc.

For further information please contact Pivotell Ltd.

GENERAL INFORMATION

Medication:

There are some pills that should not be exposed to the air and therefore should not be used in the dispenser. If in doubt please check with your pharmacist.

Pharmacy filling:

Many pharmacies will fill the Pivotell Mark 3 dispenser, including Boots Pharmacies. For the suggested Standard Operating Procedure for pharmacy filling of the Pivotell Mark 3 dispenser, please ask your pharmacist to contact Pivotell Ltd.

GENERAL INFORMATION (Continued)

Fault handling:

The alarm will sound continuously in the event of the dispenser failing to rotate properly. This might be caused, for example, by an obstruction between the body of the dispenser and the internal tray. In this event the display will show "ERROR". A battery should be removed and then replaced. Any obstruction should be removed.

If the dispenser is upside down when the alarm occurs, the internal tray will not move until the dispenser is turned upright.

If the dispenser is upside down for all the time between the 'BEFORE' and 'AFTER' settings a warning signal will sound and 'TILT' will be displayed. Press Button 3 once to cancel. Check the position of the internal tray to ensure that the correct medication will be available at the next alarm time.

Batteries:

Batteries (4 x AA Alkaline) are supplied with the dispenser when new. Batteries will last in normal use for at least 12 months.

Battery life can be checked using the following procedure:

1. Insert batteries in the dispenser.
2. Immediately watch the LCD display for the indication BATLEV.
3. At full charge a reading of 1600 (or more) will be shown.
4. At a reading of 1325 the battery warning indicator "LOWBATT" will initiate
5. At a reading of 1275 the unit will not operate.

Note: Rechargeable batteries should not be used as they have an insufficient charge to reliably operate the unit.

Remember when changing batteries to insert them to correct way around.

(see figure 3 – Page 2)

Cleaning: Dispenser - wipe with a damp cloth. **Internal tray** – may be soaked in a suitable sterilising solution, or wash in a dish washer (max. 35C)

Transport: If for any reason the dispenser is despatched by Royal Mail, courier or other carrier, it is important that **all batteries** are removed from the dispenser

IMPORTANT

TO AVOID DAMAGING THE MECHANISM THE PILL TRAY MUST NOT BE MOVED AROUND MANUALLY WHEN INSIDE THE CASE. TO REPOSITION THE TRAY ALWAYS LIFT IT OUT AND REPLACE BY LOWERING DIRECTLY INTO THE CASE IN THE CORRECT POSITION.

Pivotell Ltd accept no responsibility for faults or any other consequences arising from misuse e.g. dropping, water damage, insertion of foreign objects, forced turning of the pill tray or forced opening of the dispenser.

Pivotell Ltd accept no liability for the failure of the user to take his or her medication as prescribed howsoever caused.

For full Terms and Conditions please visit our website: www.pivotell.co.uk



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