



Pivotell® Advance Automatic Pill Dispenser

The 'Pivotell Advance' dispenser incorporates a number of important additional features which are designed to help both the user remain compliant with their medication regime and further support their family members, carers and pharmacists.

Main features:

- 1. IMPROVED SECURITY** – a self-locking shutter over the lid opening prevents access to the medication tray except at the time that medication is programmed to be available. This prevents the possibility of double dosing or the forced movement of the medication tray by the user.

OPERATION:

When the dispenser lid is closed the shutter locks making the medication tray inaccessible. At a dosage time the tray will advance clockwise and the shutter will be released.

The alarm sounds and the light flashes to alert the user. The medication can be accessed by tilting the dispenser through 90 degrees. The shutter swings open as the dispenser is tilted allowing the medication to fall out. The medication should be poured into the hand or a suitable container.

Once medication has been dispensed by the user and it has been returned to the horizontal position the shutter locks making the medication tray once again inaccessible.

If the medication is not dispensed by the user within the programmed alarm time (the 'After' time: 5min–5hrs) the shutter locks and thereby makes the medication that remained in the open pill compartment but which had not been taken by the user inaccessible. This removes the possibility that the user is able to take two doses too close to one another.

2.

2. DISPLAY - the LCD display is visible though the lid allowing the user and carer to view:

- the date and time,
- the time that the next dose is due
- number of doses remaining
- the battery level

When **horizontal** the display shows **the Date and the Time** in sequence

At the **Alarm Time** the display shows **'Take Med'**

When **tilted forward** the display shows in sequence (dates and times etc shown here are examples):

NEXT DOSE 16:30 MON || DOSES LEFT 9 || B (battery level) 75% || DATE: 23 SEPT 2012

When only 4 doses remain the display additionally **shows DOS 04**. After this dose has been dispensed **DOS 03, DOS 02, DOS 01 and finally DOS 00** is displayed in sequence with the **DATE and CLOCK**

When the battery capacity is less than 20%, LOWBATT is displayed in sequence with the **DATE and CLOCK**

This LCD display feature is be of particular benefit to carers / family members who can make a visual check on the status of the dispenser without having to open it.

3. **BATTERIES:** It is possible to use both Alkaline AA and re-chargeable batteries.
4. **TRANSPORT:** The dispenser can be transported upside down. If a dosage time occurs when the dispenser is upside down it alarms as usual but the tray does not move forward. If the dispenser is upside down for some time the dispenser records on how many occasions it should have rotated and when returned to the upright position moves to the correct position for the next scheduled dose so that the correct medication for that time will be presented.
5. **INTERFACE:** The interface currently provided in the PivoteLL Mark 3/11 Automatic Pill Dispenser (CI0108M1Hxx,CviLux 8 pin) is retained to enable connection to current Telecare systems.

Serial Interface: The dispenser incorporates an improved interface for Bluetooth and other transmitters and receivers. The serial interface provides USART Rx, TX (3V3 voltage level) and Power supply (4 x alkaline or NiMH).

Programming interface: An interface is provided for connection (via cable) to a PC for programming / reading status and dispensing records and updating the software as necessary.

Other data:

Dimensions	Length 190mm Width 180mm Height 56mm
Weight	390g excl. batteries 490g incl. batteries
Volume	Approx 10ml per compartment
Power supply 6V	4 x 1.5V Alkaline batteries or 4 x 1.2v rechargeable NiMH batteries
Battery life	> 1 year
Compartments	28
Maximum daily alarms	24

The PivoteLL Advance dispenser is the same diameter and slightly deeper than the existing PivoteLL Mk 3/11 Dispenser.

For further information please contact:

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