Crono *TWIN*
Abbreviated Programming Guide

Caution: Users must familiarise themselves with the manufacturer's full user instructions. These notes provide only a reminder of main functions.

Pump activation and changing the battery

This is conducted only when it is necessary to replace a depleted battery, change the program mode or occasionally to reset an error message.

When the battery is inserted the pump will perform a short self test procedure during which a full screen display of all elements should appear.

The screen will the display either a [t] (Timed mode)or an [F] (Flow mode) symbol to show which program mode is active.

To change the mode press the [P] button and the displayed symbol will flash. Press the [+] or [-] key to make your selection.

The pump will re-set and [OFF] is displayed, along with the selected delivery volume.

Locking/unlocking the keypad

By default keyboard lock is <u>not</u> activated on this device.

With the pump displaying [OFF] press the (-) key for approximately 7 seconds. A number representing the number of completed infusions will appear on the screen.

While still holding the (-) key depress the (+) key at the same time and the screen will display [L0] and the keyboard is unlocked. Press the + Key to change this to [L1] to lock the keyboard. A small padlock symbol will display on screen. Return the setting to [L0] by pressing the [-] key to unlock the keyboard again.

Programming the pump

With the keyboard unlocked, and the pump displaying [OFF], the (P) programming button will allow you to step through a menu to set the following parameters in turn:

	t-mode	F-mode
End of infusion alarm	On/Off	On/Off
Infusion Time/Rate	30 mins to 400 hrs	0.10 to 100 mL/hr
Infusion Volume	0 to 40 mL	0 to 40mL

Setting procedure

Press the (P) button to select the setting.
Use the (+) or (-) button to select required value.
Press the (P) button to confirm value and select next parameter.
OR
Press no button for 5 seconds and value will be set.

Starting infusion

Start the pump by pressing the [+/ON] button.
The symbols [Pr] will appear on the screen to allow you to prime the infusion set. Press and hold this button to prime up to 1mL. Repeat this to give further primes if necessary.
Press the [+/ON] button to start the infusion.

Ending infusion

At the end of an infusion the plunger will automatically return to its programmed start position, and the pump will switch off.
To stop the pump earlier press the [-] and [+/ON] keys together. The word [Stop] will appear on the screen and will flash. If you wish to terminate the infusion at this time press and hold the [-] button for 7 seconds or if you want to restart the infusion press the [+/ON] key.
If you stop the infusion before the pump has reached the end you will need to reset the pump before starting the next infusion. With the pump displaying [Stop] press the [P] and [-] keys together. The text [END] will appear on the screen and the pump plunger will return to its programmed start position.