

Forms and Diagrams

ACR DIRECT TO LINE USA MODEL HANDSET AND CONTROLLER MENU

To use the handset menu, the control box must first be placed in 'command' mode. To do this press the 'power' button on the handset. The display will show 'point and press select' point the handset at the controller and press the 'select' key for about 1 second. The controller will light all of the LED's to show that the system is in command mode. The handset will display one of the text menu's below. To return the controller to normal use press 'exit'.

DIAGNOSTICS

When the handset displays this text; pressing 'select' will ask the sensor for a calibration value. This value will be the sum of the sensor value plus the autocalibration 'setting'. This can be used to cross check the 'milk sensitivity' setting under the main sensor menu.

LOAD SETTINGS

When the handset displays this text; pressing 'select' will ask the handset to load all the 'saved' settings from the controller into the handset. This data can then be 'transmitted' to other controllers to exactly copy the settings from one controller to another, by using the 'transmit settings' function. The loaded settings will remain in the handset until a new 'load settings' command changes them.

TRANSMIT SETTINGS

When the handset displays this text; pressing 'select' will ask the handset to transmit all the 'saved' settings from the handset into the controller. This data must be saved by pressing the 'save' button once transmission has been completed and 'success' displayed.

SETTINGS

When the handset displays this text; pressing 'select' will enter the main menu structure as listed below. The basic method of navigating around the menu system is to use the 'select' 'esc' and 'arrow' keys. For example to change the pulse rate from 60 to 65ppm proceed as follows. Enter the controller command mode as detailed above. 'Scroll' to the 'settings' display by using the 'arrow' keys, press 'select', scroll to the 'pulsation menu' by using the 'arrow' keys, press 'select' scroll until the display shows 'pulse rate', press 'select', the display will now show a small arrow next to the number '60' which shows that the pulse rate is currently set to 60ppm, this can now be changed using the 'arrow' keys. Once the desired rate has been reached press 'select' and then press 'save'. After save has completed if required press 'exit' to return the system to normal user mode.

<u>PULSATION MENU</u>	<u>Default USA Settings</u>
Pulse Rate	60
Pulse Ratio A	60
Pulse Ratio B	60
Stimulation	OFF
Stimulation Time	30
Single Shot	OFF

<u>ACR MENU</u>	<u>Default USA Settings</u>	<u>Acceptable Range</u>
Power Up In	PARK	0 to 10 Seconds
Gentle Retract	2	Park/Wash
Cluster Sweep	OFF	0 to 10 Seconds
Cluster Sweep Delay	10	0 to 120 Seconds
Cluster Release	OFF	Off/On
Cluster Release Delay	30	0 to 30 Seconds
Vacuum Switch Delay	2	Off/On

<u>VALVE MENU</u>	<u>Default USA Settings</u>
Valve 1 Position	N/O
Valve 2 Position	N/O

<u>SENSOR MENU</u>	<u>Default USA Settings</u>	<u>Acceptable Range</u>
Milk Detection	STANDARD	Std/Adv
Milking Alarm	ON	On/Off
MAX. Milking Time	20 Minutes	6 to 30 minutes
MIN. Milking Time	120	60 to 180 Seconds
Milking End Setting	5	See Explanation Below
Milk Sensitivity	20	Changed by Autocalibration
Min Milk Slug	25	Change not Recommended

The range of settings for the 'milking end setting' depends on the 'milk detection' method chosen. If STD or standard milk detection is chosen, the 'milk end setting' range would be 3 to 6 secs (the lower the number the quicker milking will end)

If ADV or advanced setting is chosen, the 'milk end setting' range would be 3 to 30. (In this case however the HIGHER the number the quicker milking will end. This is because the system is responding to flow rate and not to time)

<u>AUTO CALIBRATION MENU</u>	<u>Default USA Settings</u>	<u>Acceptable Range</u>
Auto Calibration	ON	Change not Recommended
Auto Calibration Delay	60	Change not Recommended
Auto Calibration Setting	10	3 to 10