The Shepherd Auto Feeder Operator Guide.

Controller

Using Manual On/Off Mode

Press Up Arrow to manually turn feeder ON, the again for Off. Kilo Counters are active when the Auto Switch in ON. Located on side of controller.

Screen Navigation

Use Arrows to move pages to access main programs. Each program and associated pages are numbers 1,2,3…. Press down arrow to access kilo counters and calibrations. Pages cycle in a loop downwards back to main screen. Note pressing the UP arrow without a cursor present will start the feeder.

Setting Screen Data and Clock (Note this is a 24hr real time clock)

Navigate to desired page. Press the **SEL** key and a full black cursor will appear. Use arrows to navigate cursor to line you wish to edit. Press **SEL** again to change the cursor to a **DASH** under the selected digit. The digit can now be modified using **UP** and **DOWN** arrows. The Dash can be moved left and right using arrows. When satisfied press **OK** to accept the data, then **ESC** to remove cursors. You can now navigate across pages.

To activate the **Automatic Mode**, turn the **Auto Switch ON** located on the side of the control box. **DO NOT TURN THE AUTO SWITCH OFF DURING INDUCTION.** If you turn the switch OFF it will reset the program back to start the cycle over at day 1. You can run the Manual ON function and totalisers on top of the Auto schedule.

Totalisers and Calibrations

Press the down arrow to display the Total Feed Consumption in Kg's. This is calculated from the point when the Auto Timer Switch has been turned ON. Press the Down Arrow again to display the Calibrations. R1F = day and time, DR01 = Motor start delay timer in minutes and DR02 = Seconds/1kg of feed. Option DR03= Kilogram Counter/feed schedule. Press the Down Arrow once again to return to the timer. Adjust calibrations using the **SEL, Arrow Keys and OK key**. When finished press **ESC** to return.

Feeding Programs

Each Program requires an ON/OFF time period set for Auto Activation. If a time period is set, the program will function during those times when the Auto Switch is ON. Ensure the time period is **OFF** if you **DON'T** want programs activated.

1. Auto Induction Program. Set Time Clock between hours of 7.00-22.00 24hr time.

The Auto Induction system is an intuitive program that increases the feed ration each day and spreads the total ration over a number of feeding times per day. The program uses the previous day consumption plus the additional per head increment each day.

1-Sheep Number DR10. Input number of sheep in Mob. 1-Grams/Head /Day Increment DR11. Input feed increase per day per sheep in Grams.

1-Min/Feed +2 DR07. Input additional time per feed in minutes. If zero each feed is 2 mins. 1-Start Grams/Hd DR09. Input advanced starting Ration.

2. Containment Interval Timer. Set Time Clock for active time period

2-Feed Duration DR0A. Input Feed ON time Minutes. 2-Feed Interval DR0B. Input time between Feeds Minutes.

3. Pre-set Timers x 2. Set an ON time, and OFF time, for continuous active feeding between two times.

4. Trough Flush. Set Time Clock for active time period.

4-Flush Duration DR0D. Input Flush Duration Time 1 Minute. 5-Flush Interval time between flushes. Minutes

Feed Limit Control, Anti-Gorge Protection and Fault Alert Bin

The daily **Feed Limit Control** is located pressing the down arrow on the same page as Total Feed. Grams/Head/Day is set by adjusting register DR2D. The default is set to 2000Grams/Head/Day. The counter resets each day and counts up until the maximum feed limit is achieved across all feeding programs. The feeder then shuts down until the next day. Ensure you have set the correct sheep number and calibration settings for this function to operate effectively.

Anti-Gorge protection levels feed consumption from day to day. Default is set to 1000Grams/Head/Day. Adjust register DR03 to set the quantity of feed provided before Anti-Gorge protection engages. **Fault Alert Bin T1F=10min**. Continuous running timer then Fault. Usually indicates empty bin or blocked boot.

Terminal Connection 7 Pin— Pins 1-3 Trough Flush, Pins 4-7 Auto Drafter and Weighing System

Trough Wires— Pin 1 Open Signal Red Wire, Pin 2 Close Signal Blue Wire, Pin 3 Yellow Wire Negative

Auto Drafter Wires— Pin 4 Positive 24v, Pin 5 Negative 24v, Pin 6 Increasing Sheep Counter, Pin 7 Decreasing Sheep Counter.

Empty Silo Sensor– Pin 4 Positive 24V, Pin 5 Negative 24V, Pin 8 Signal 24v.

Victron Connect App- Solar Monitoring app. Bluetooth code is 000000. .

Milesight IOT Cloud- Remote Monitoring App. Used if optioned with remote monitoring device and data centre.

Support and Trouble Shooting Guides. www.autofeeder.com.au/support or call 0428771105