User Manual

HR2000 Weighing Controller

Start button / One Output

Ver 1.0

Introduction

Congratulations on your purchase of the HR2000 weighing indicator / controller.

The indicator has been designed to be extremely easy to operate, this manual describes how to best use the instrument.

Power ON

The mains input to the controller should be standard 240V AC suitably fused and earth leakage protected.

Ensure the controller is kept dry and has good air circulation at all times.

The red button on the indicator is used to power the HR2000 on and off.

Note the first time after applying power this button will take a few seconds to become active.

The initial startup screen will be visible for a few seconds. This typically shows the following information :

> Supplier :
> Last Calibration date :
> Next Calibration required :

It is advisable to contact the supplier for a calibration check when required.

Normal Operation

On power up the display will show the description, limits and inflight settings for the currently selected product.

If the parameters are as required the user may press the external START button and the filling will start.

When the limit is reached the filling will stop, with automatic correction.

The bag should not be touched until the in flight is complete.

When the bag is lifted the START button may be pressed again.

ZERO key

The ZERO key is used to re-zero the scale when it has drifted away from zero with no weight applied. Note the scale will only re-zero within a small band of the zero point.

When no weight is on the scale the system will automatically perform zero tracking where it holds the scale at zero even if there is loadcell drifting. Note the zero tracking only works within a small band of the zero point.

(F1) - SETUP FEATURES

The F1 key provides a menu as follows :

1.	Adjust display contrast
2.	Define product
3.	Set OFF Limit
4..	Correction Enable
5.	Reset totals
6.	Exit

Adjust Display Contrast - (1)

This provides a futher option to lighten or darken the display contrast. To lighten the display contrast press 1 repeatedly, and to darken the display contrast press 2 repeatedly.

Once the contrast is correct press 3 to return back to the main screen.

Define Product - (2)

This allows the following parameters to be defined for each product :

Description
Target
Inflight time
Inflight limit

Set OFF Limit - (3)

This sets the low limit where the start button may be pushed again.

Correction Enable - (4)

Automatic correction may be enabled or disabled as required.

Disabling is a way of setting the correction to zero.

Reset Totals - (5)

User can at any time reset the total weight and number of weighings.

Select Product (ID)

The ID key allows the user to select a product (00-19). When a product is selected the following parameters will be automatically loaded :

> Description
> Target
> Inflight time
> Inflight limit
> Correction

This allows a change of product to reload the old correction factor so work can start from the best possible control parameters.

It is not possible to enter the F1 menu or ZERO the system if the system is not in the READY mode.

Totals

The total number of weighings and total weight is displayed on the main screen and may be reset at any time.