

Universal Hopper Test Box Instructions



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1. Diary of Changes

Issue 1.0.....29th April 03
Issue 1.1.....30th June 04

2. Introduction

The test box has been designed to allow the testing of a Universal Hopper. In order to function, the test box must be supplied with 24V DC.

3. Overview of test box

There is a DC input and also a Universal Hopper 12-way cinch connector emanating from the rear of the test box – the 12-way female cinch connects to the 12-way plug on the Universal Hopper.

DO NOT TURN THE POWER ON BEFORE ALL CONNECTIONS TO TEST BOX AND VALIDATOR ARE MADE!!!!!!

3.1 Function Descriptions

The following are the functions available for this test box.

3.1.1 A

RAW Output sensor

3.1.2 B

De-bounced output sensor

3.1.3 HI

High-level sensor (illuminates when a connection is present)

3.1.4 LO

Low-level sensor (illuminates when a connection is present)

3.1.5 SEC

Security permanently illuminated in normal operation, distinguished in the event of an alarm.

3.1.6 TEST

When in Mode 1, press and hold to run the motor.
When in Mode 2, button pays out one coin at a time.
(Mode 0 has no function)

3.1.7 ON / OFF

Turns power on or off to the Hopper
(N.B. when powered on Mode 0 entered automatically)

3.1.8 RESET

Resets the counters to zero (This function only works when the hopper is powered on).
Press and hold the RESET button will reset the IN lines to their default – IN1 = 0, IN2 = 1.

3.1.9 MODE SELECT

The following buttons select the relevant mode of operation:

MODE 0 – Motor runs constantly.

MODE 1 – Motor runs when the TEST button is held down.

MODE 2 – 1 coin dispensed each time the TEST button is pressed.

3.1.10 MAIN DISPLAY

The main display on the test box shows:

The mode of operation

The counter for output A

The counter for output B

The current of the motor in mA.

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