



## BE-SSC-101 SCALE CALIBRATION

### Instructions

### Controller Display

When the BE-SSC-101 is powered up for the first time, it may be in a state of alarm, saying **\*\*INTERNAL ERROR\*\* MEMORY IS CLEARED.**

Follow steps 1 through 4 below to clear the alarm

[1] Press the **F1 button** to get to the main screen, GENERAL SETTINGS. The first line will be flashing and a flashing “A\*” will be in the lower left corner, indicating an active alarm

```
00 Bird-Scale
01 GENERAL SETTINGS
01 system
A* 1> on
```

Menu  
Info  
Settings

[2] Press the **Menu “-”** key to go to **menu 99** (Alarm). The alarm will be displayed on the bottom line of the display.

```
00 Bird-Scale
99 ALARM
01 alarm status
A* 1> memory cleared
```

[3] Press the **Info “+”** key to go to **info 02** (alarm mode). Press the **Settings “-”** key until the bottom line displays “reset”. The flashing will stop and the “A\*” will disappear

```
00 Bird-Scale
99 ALARM
02 alarm mode
0> reset
```

[4] Press the **Settings “+”** key until the bottom line displays “on”. The alarm has now been properly addressed, and you can begin to calibrate the scale(s)

```
00 Bird-Scale
99 ALARM
02 alarm mode
2> on
```

[5] Press the **Menu “+”** key to go to **menu 01**, as indicated to the right → If the system is set to “off” press the **Settings “+”** key to change to “on”

```
00 Bird-Scale
01 GENERAL SETTINGS
01 system
1> on
```

[6] Press **Info “+”** to go to **info 06** (install. settings). Press **Settings “+”** to change “no to “yes”. The install setting will be active for 30 minutes, after which you must repeat steps [1] and [2] if you need more time to complete calibrating the scale(s)

**00 Bird-Scale**  
**01 GENERAL SETTINGS**  
**06 install. settings**  
**1> yes**

The following steps: 7, 8 & 9 are only if the scales are to be calibrated for the first time, and to connect additional scales.

[7] Press **Menu “-”** to go to **menu 97** (Installer Setting). Press **Info “+”** to go to **info 18** (number of houses). Press the **Settings “+”** key to select the correct number of houses (1-4) with scales installed and connected to this controller

**00 Bird Scale**  
**97 INSTALLER SETTING**  
**18 number of houses**  
**1**

[8] Press **Info “+”** to go to **info 19**. The BE-SSC-101 comes with scale 1 connected. To connect other scales as needed, press **Info “+”** to find **info 21** (scale 2), **info 23** (scale 3) & **info 25** (scale 4). For each scale installed, press **Settings “+”** to change to “connected”

**00 Bird Scale**  
**97 INSTALLER SETTING**  
**19 scale 1**  
**1> connected**

**00 Bird Scale**  
**97 INSTALLER SETTING**  
**21 scale 2**  
**1> connected**

[9] Press **Info “-”** to go to **info 9** and select weight measurement, **0> grams** or **1> lbs.** by pressing the **Settings “+”** or “-” key

**00 Bird Scale**  
**97 INSTALLER SETTING**  
**09 weight measurement**  
**0> grams or 1> lbs**

[10] Press **Menu “+”** to go to the **menu 98**. Press **Info “+”** to go to **info 10**. Press **Settings “+”** until the calibration weight you will be using is entered. If more than 1 scale is connected, press **Info “+”** to go to **info 11, 12, or 13** to input the weights for scales 2, 3 or 4, respectively

**00 Bird Scale**  
**98 CALIBRATION**  
**10 cal. weight scale 1**  
**30.000 lb**

**00 Bird Scale**  
**98 CALIBRATION**  
**13 cal. weight scale 4**  
**30.000 lb**



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## SCALE CALIBRATION WEIGHTS

<b>CANADA:</b> 10 kg for broiler & poults 20 kg for turkey	<b>USA:</b> 30 lb. for broiler & poults 60 lb for turkey
[11] Press <b>Info “+”</b> to go to <b>info 01</b> (Calibration). Press <b>Settings “+”</b> to shift calibration from <b>“off”</b> to <b>“on”</b>	<b>00 Bird Scale</b> <b>98 CALIBRATION</b> <b>01 calibration</b> 1> on
[12] Press <b>Info “+”</b> to go to <b>info 02</b> . The mode will be displayed as <b>“off”</b> <b>MAKE SURE THERE IS NOTHING ON THE SCALE!</b>	<b>00 Bird Scale</b> <b>98 CALIBRATION</b> <b>02 mode scale 1</b> 0> off
[13] Press <b>Settings “+”</b> key <b>once</b> . You’ll see the screen go from <b>“off”</b> to <b>“empty scale”</b> <b>DO NOT PLACE ANYTHING ON SCALE!</b>	<b>00 Bird Scale</b> <b>98 CALIBRATION</b> <b>02 mode scale 1</b> 1> empty scale
[14] After a few seconds the screen will shift from <b>“empty scale”</b> to <b>“put weight”</b> *. <b>CAREFULLY PLACE THE CALIBRATION WEIGHT ONTO THE SCALE SO THAT THE SCALE DOES NOT SWING ABOUT</b>	<b>00 Bird Scale</b> <b>98 CALIBRATION</b> <b>02 mode scale 1</b> 2> put weight
[15] After the weight is on the scale, press the <b>Settings “+”</b> key <b>once</b> . The screen will briefly display <b>calibration</b> and then go back to the screen to the right. <b>LEAVE THE WEIGHT ON THE SCALE UNTIL YOU HAVE CHECKED THE CALIBRATION. SEE NEXT PAGE</b>	<b>00 Bird Scale</b> <b>98 CALIBRATION</b> <b>01 calibration</b> 0> off

**\*IF THE CONTROL DOES NOT ADVANCE FROM “EMPTY SCALE” TO “PUT WEIGHT”, SEE TROUBLESHOOTING STEPS AT END OF THIS SHEET.**

[16] Press **Info “+”** to go to **info 18**. The display should read ~30 lbs. There will be some slight variation as you watch the display due to air movement. IF THE DISPLAY IS NOT WITHIN 0.1 lbs of 30 LBS, check that there is nothing else on the scale except the weight and that the scale is high enough off the ground to not be touching the litter. Check for drafts. Remove the weight, wait for the scale to stop moving, and repeat steps 11-16.

**00 Bird Scale**  
**98 CALIBRATION**  
**18 weight scale 1**  
**+ 30.000 lbs**

[17] Repeat steps 11-15 for scales 2, 3 and 4 (if connected) by using **info 03** for scale 2, **info 04** for scale 3, and **info 05** for scale 4 for steps 12-15. See example of **info 03** for scale 2 to the right (Press the **info “-”** key to get back to scale 2) ----->

**00 Bird Scale**  
**98 CALIBRATION**  
**03 mode scale 2**  
**0> off**

[18] Check the calibration with the weight still on the scale for scales 2, 3 and 4 by pressing the **Info “+”** key to go to **info 23** (scale 2) **info 28** (scale 3) or **info 33** (scale 4)

**00 Bird Scale**  
**98 CALIBRATION**  
**23 weight scale 2**  
**+ 30.002 lbs**

[19] While still watching the weight displayed at **info 18, 23, 28 and 33** (for scales 1, 2, 3 or 4, respectively), remove the calibration weights from the scale platforms. The weight displayed should be within 0.01 lbs of 0. IF THE DISPLAY IS NOT WITHIN 0.1 lbs of 30 LBS, check that there is nothing on the scale and that the scale is high enough off the ground to not be touching the litter. Wait for the scale to stop moving, and repeat the calibration steps

**00 Bird Scale**  
**98 CALIBRATION**  
**18 weight scale 1**  
**+ 0.002 lbs**

**00 Bird Scale**  
**98 CALIBRATION**  
**23 weight scale 2**  
**- 0.001 lbs**



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[20] Press **Info “-”** to go to **info 01** (calibration). Press **Settings “-”** to change the display to **“off”**.  
The scales are now calibrated.

00 Bird Scale  
98 CALIBRATION  
01 calibration  
0> off

[21] Ensure all the scales are active:  
Press **Menu “+”** to go to **menu 02**.  
Press **Info “+”** to go to **info 13, info 14** for scale 2, etc.  
Press **Settings “+”** to set scale(s) to **active**. If you have multiple houses set up, activate the correct scales to the correct houses by repeating step 21 in **menu 03, 04, and 05** (Settings House 2, 3 and 4, respectively). If you set more than one scale active per house the control will average the weights of the scales for that house.

00 Bird Scale  
02 SETTINGS HOUSE 1  
13 scale 1  
1> active

00 Bird Scale  
03 SETTINGS HOUSE 2  
15 scale 3  
1> active

00 Bird Scale  
03 SETTINGS HOUSE 2  
16 scale 4  
1> active

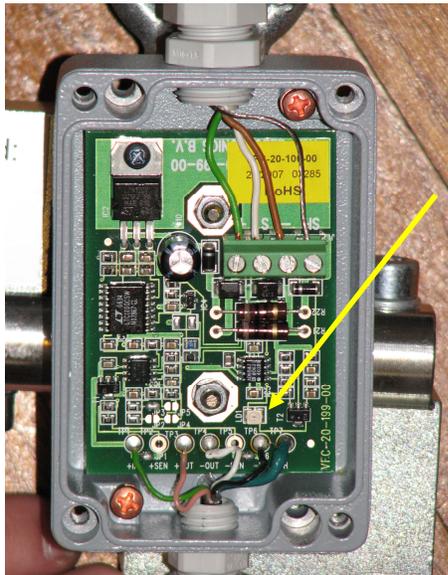
**To begin weighing your first flock, see the quick sheet “Starting a New Flock”**

IN THIS EXAMPLE, WE HAVE ONE SCALE IN HOUSE 1, TWO SCALES IN HOUSE 2.

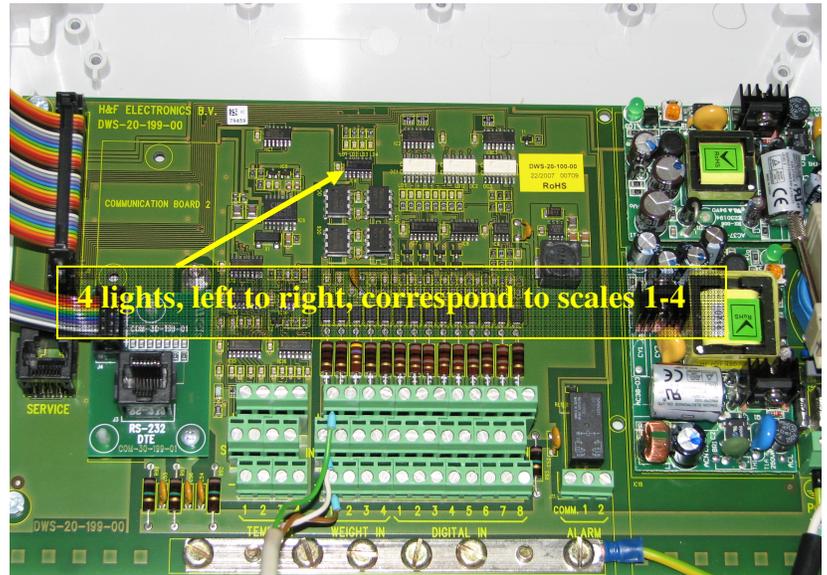
**TROUBLE SHOOTING:** If at step 13 the calibration hangs up on “empty scale” & will not advance to “put weight” then the BE-SSC-101 may not be communicating with the load cell for the scale you are trying to calibrate.

1. Check all wire connections (BE-SSC-101 & Load Cell conversion box) for crossed wires.
2. Check the BE-SSC-101 & load cell conversion box to make sure that the red lights are on.
3. If the red light(s) are not on, there is a short in one of the load cell wires. Undo the load cell wires and reconnect properly, being careful to not allow any stray strands to contact any other wires.
4. The red LED lights are located on the top center of the back board of the BE-SSC-101 and the top center of the load cell, as shown below:

## LOAD CELL



## BE-SSC-101



**TROUBLE SHOOTING:** Also check that the load cell is not near any high voltage lines, that the truss it is attached to is not vibrating due to a fan also attached to that support truss, and that the platform is not in the path of a fan output, heater output, or any other type of draft that could be influencing the weight. If you need assistance please contact your dealer:

\_\_\_\_\_  
\_\_\_\_\_

or VAL-CO

800.328.3813 x6012

NOTES: