

## **AD AD 4406 Comparator Setup**

### **Section 1.**

**The Function Parameters, (F Settings), need to be set first to enable the comparator and select the type of comparison required.**

1. With the display off, press and hold the **NET/GROSS** key and press the **ON/OFF** key, hold down the **NET/GROSS** key until the display shows **F 00**.
2. Press the **^** key five times to display **F 05**.
3. Press the **ENTER** key to display **F 05 11**. (*The two digits to the right will be flashing, 11 is the factory default value.*) Press the **ZERO** key three times to increase the value to display **F 05 40**. Press the **^** key once to change the value to **F 05 41** (*If you set the wrong number just keep pressing the ^ key, the numbers will cycle around again.*) This step programs the buzzer to sound continuously when the comparator shows **OK**. See **TABLE 1** or Instruction Manual **F-Functions** to set other buzzer options. To configure the buzzer for other parameters use the **ZERO** key to change the Parameter number and the **TARE** key to change the **X** value.
4. Press the **ENTER** key to display **F 06**.
5. Press the **^** key until the display shows **F 00**.
6. Press the **<** key to move the flashing digit to the left hand zero. Press the **^** key once to display **F 10**.
7. Press the **ENTER** key to display **F 10 13**. (*The two digits to the right will be flashing, 13 is the factory default value.*) Press the **^** key to increase the value to display **F 10 15**. (*If you set the wrong number just keep pressing the ^ key, the numbers will cycle around again.*) This step programs the F1 key to be used to set the weight comparison values later.
8. Press the **ENTER** key to display **F 11**.
9. Press the **<** key to move the flashing digit to the left hand digit. Press the **^** key once to display **F 21**. Press the **<** key to move the flashing digit to the right hand digit. Press the **^** key once to display **F 22**.
10. Press the **ENTER** key to display **F 22 0**.
11. Press the **^** key once to display **F 22 1**. (*This will set the type of comparator function. See TABLE 2 below or Instruction Manual F-FUNCTION section for other comparator functions.*)
12. Press **ENTER** to store the setting, and display **F 23 11**.
13. Use the **ON/OFF** key to turn the scale off then back on again.

### **Section 2.**

**The weight values are required to be set for the comparator to judge the LO, OK, or HI condition.**

1. With the scale turned on in normal weighing mode, (*the scale must be displaying a weight*), press the **F1** key once. The display will show **0 - H**, the memory Code number will be flashing on the left. Press the **^** key to select a Code to store the weight values. Codes 1 to 4 can store a set of comparator weight values. (**NOTE:** Code 0 will be lost when the power is turned off.)
2. Use the **<** key to change the flashing digit to **H**. Press the **ENTER** key to display a flashing **0**. Use the **^** key and **<** key to set the weight value at which point **OK** will turn off and **HI** will turn on. Example: display shows **1500**. **HI** will appear if the weight goes over 1500kg.
3. Press the **ENTER** key to display **1 - L**, with **L** flashing. Press the **ENTER** key to display a flashing **0**. Use the **^** key and **<** key to set the weight value at which point **LO** will turn off and **OK** will turn on. Example: display shows **500**. **LO** will disappear and **OK** will appear if the weight goes over 500kg.
4. Press the **ENTER** key to store the value and display **1 - h**. Use the **<** key to toggle between **HI** or **LO** if you need to refine your settings.
5. If you wish to precede setting the other Code positions press the **ESC** key to display the flashing Code number. Store comparator values for the other codes repeating steps 2 to 4.
6. When completed storing the comparator values press the **ESC** key twice to resume weighing mode.

**FUNCTION TABLES****TABLE 1**

Item	Parameter	Description	
F05 Buzzer	1X	Key Click	Select Parameter number, (left digit), with < key.
	2X	LoLo/Zero Band	Select Function “X” below use ^ key.
	3X	Lo	X=0, No sound.
	4X	OK	X=1, Continuous.
	5X	HI	X=2, 4 times/second, (pulsing beep).
	6X	HIHI/Batch Finish/Full	X=3, 2 times/second, (pulsing beep).
			X=4, 1 time/1 second, (pulsing beep).
			X=5, 1 time/2 seconds, (pulsing beep).
			Default=11

**TABLE 2**

Item	Parameter	Description
F22 Comparator function	0	Not Used (default)
	1	Upper/Lower limit comparison (2 limit setting)
	2	Upper/Lower limit comparison (Target and allowance)
	3	Upper/Lower limit comparison (Target and % allowance)
	4	HH/HI/OK/Lo/LL comparison (4 limit setting)
	5	HH/HI/OK/Lo/LL comparison (Target and allowance)
	6	HH/HI/OK/Lo/LL comparison (Target and % allowance)
	7	Check weighing 1
	8	Check weighing 2
	9	Check weighing 3
	10	Simple batch 1
	11	Simple batch 2
	12	Simple batch 3

**Consult the Instruction Manual for more detailed information about the comparison and check weighing modes in section 11, Comparison, and section 11.1, Weight Check Mode.**