

ALRS

User Instructions



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Available functions

The ALRS load cell is a multi-range system that gives you four units of measurement in (Te/Kg/Lbs/US TN). The system has a peak mode and an auto on/off function which is a battery saving option.

We can guarantee you a telemetry working range of a minimum of 300 metres over 360°, this will give you peace of mind knowing that you will never lose signal.

The load cell is turned on via a switch on the load link and the monitoring system is switched on via the on button on the ALRS handset. This is to save battery during long term out of use. The load cell can be left switched on and can then be switched on/off from the ALRS handset but it will stay in standby mode using battery.

The ALRS also has a data logging feature so when needed your load cell can do so much more for you.

The ALRS system also has a peak hold function so you can monitor your peak load.

You can check the battery system on both the handset and load cell at any time.

User Instructions

TURN ON LINK

On the load link there is a switch  press to 1 position to switch the link on and press 0 to switch the link off.

TURN ON SYSTEM

To turn on your ALRS system press the ON  button, your handset will show the ID number of the load cell and count down from 20 seconds and then display your load (0.00Te)

To zero your load cell press the ZERO  button and your handset will as (zero) and then zero your system.

UNITS OF MEASUREMENT

To change your units of measurement press the PAGE  button once and the handset will show (UNITS) then press ON  button to accept. Your handset will display a unit, press the PAGE  button to scroll through each of the units, once you are happy with your selection press the  button to accept.

PEAK MODE

To use the PEAK mode on the ALRS system press the PAGE  button until PEAK is displayed on the handset then press the ON  button to accept. Your handset will show (OFF, default setting), press the PAGE  button and the handset will show (ON), press ON  to accept. Your handset is now set in peak mode and the letter (P) will be displayed on the right hands of your display.

If you need to zero your peak load press the ZERO  button to zero your peak load.

If you need to leave your PEAK mode use the same process as you did to get into peak but this time select (OFF) and press ON  to accept. You will go back to normal weighing operation.

The default setting when the handset is switched on is PEAK mode is OFF, you will need to switch this function to ON when you require PEAK mode.

TEST BATTERY

To test your ALRS battery system while your system is ON press the ON  button once and your handset will show RX (handset) and the % of battery, press the ON  button again and your handset will show TX (load cell) and % of battery. Press ON  to go back to normal weighing operation. We recommend changing batteries once you get down to 20% RX/TX of battery.

SETTINGS MENU

The ALRS system communicates between the handset and the load cell using an ID number, this ID must be set correctly for the system to work properly.

Once you have entered the settings menu you must enter the ID of the ALRS system to exit the menu.

The ALRS system also has a SETTING menu. This is where you can use the AUTO ON/OFF battery saving menu and also data logging.

To enter the settings menu, with your handset OFF, press and hold the TARE  button and then press and hold the ON  button then release together. Your handset will show SETTINGS, press the ON  button to accept. You can press the PAGE  button to scroll through the following menus, Units, Auto OFF, Data Out and ID.

To accept units press the ON  button, you will have two options
FIXED = Kgs and Te units

SLCTAbL = TE, Kgs, Lbs, US Te

To accept either option press the ON  button to accept.

AUTO OFF

When you select AUTO OFF from the settings menu, press ON  button to accept.

OFF = Battery saving mode OFF

ON = Battery saving mode ON

Press the PAGE  button to choose either option, to accept press the ON  button to accept.

The AUTO ON mode will automatically shut down your system if your system has had no change in readings for a period of time.

DATA OUT

When you select DATA OUT from the settings menu, press the ON  button and the option of PC OFF is displayed, if you wish to switch the DATA OUT on press the PAGE  button and the handset will display PC ON, press ON  button to accept.

To be able to use the DATA OUT function you will need a dongle and software that can be sourced from our sales department.

When DATA OUT is switched ON you have the option to receive data via RS232 or RADIO, with the ALRS handset you will always use the RADIO option. When you have accepted PC ON the handset will display RS232, press the PAGE  button and the display will show RADIO, press ON  to accept.

ID

To exit the settings menu, you must enter the ID of the ALRS system.

When you select ID from the settings menu, press the ON  button to enter.

Your handset should have stored the ID number, if it does not press the PAGE  button to increase the single digits of the ID number and then press the TARE  button to move to the digit to the left to increase the double digits of the ID number.

Your ID number will be displayed on the calibration certificate that you receive with your load cell as standard. Once you have entered your ID number press the ON  button to accept.

You will now return to normal weighing.

Tare/gross weight Function

If you have any gross weight on the load cell and you wish to remove it, press the tare button and this will remove the gross weight. Once the tare button is pressed the display will show 0.000 nt (net tare). If you press the tare button again this will add the gross weight back onto the display. The display will then show te (tonne).

Zero Function

If you need zero the weight displayed on the handset, press the zero button.

How to Pair the ALRS

Firstly, before we can go any further, we will need to know what your load cells I.D number is. If you turn on your handset it will display your I.D number? Once you know what the I.D is you can then turn off the handset again.

Now here is a breakdown of the steps to go through

1. Insert two AA batteries back in to your load cell, leaving the middle battery out.
2. With your handset press the TARE  & ON  buttons together, your handset should now read SETTINGS
3. If you can now insert your middle battery back into your load cell.
4. Your handset should now read ECO MODE
5. Press the PAGE  button until your handset reads (ID #)
6. Press the ON  button to accept and your handset will now read (00)
7. Now enter your load cells I.D number, you will know what you're I.D number is, *this is the section in above.*
8. To enter in your I.D number press the PAGE  button to increase the I.D, you can press the TARE  button to move your I.D over to the left, if you make an error or go past the I.D number you need, press the ZERO  button to reset back to 00
9. Once you have set your I.D press the ON  button to accept.
10. Your load cell should go back into working order.

If customer has still got issues, then the load cell should be sent back to JCM for further inspections.

Load Cell Resolution

The load cell resolution can be altered or changed during calibration process & set to customers' requirements if required.

JCM sets the resolution as standard unless requested from customers.

1Te - 12.5Te (0.002Te)

25Te - 75Te (0.005Te)

100Te – 500Te (0.010Te)

You can obtain the calibration instructions from JCM if you wish to adjust the resolution during a calibration routine