



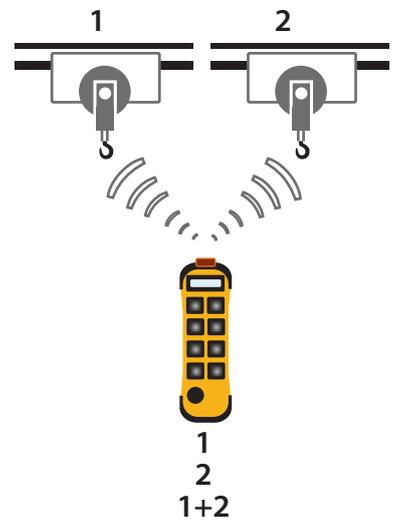
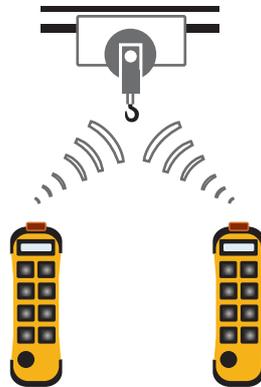
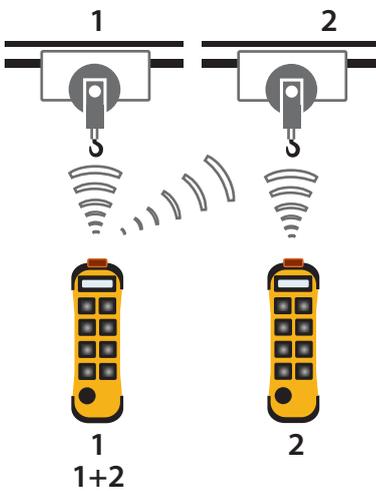
Elephant are now able to offer the truly excellent JUUKO radio control system for cranes.

This system is offered in a 6 pushbutton, dual speed controller with two auxiliary buttons. It has a "start" button and an Emergency Stop. A great feature of this controller is that the auxiliary buttons can be used to operate dual hoists (independent of one another) or simultaneously by pushing button 1 & 2 at the same time.



The system allows for **Automatic Channel Switching** so if it picks up the same frequency it will automatically switch to another channel.

Multi-Control System



Automatic Channel Switching

The system allows the user to select primary working frequency and secondary working frequency. If radio interference occurs during normal operation, the radio communication automatically switch to these secondary frequency.

- **Bi-directional**
- **Safe communication**
- **Uninterrupted radio link benefits smooth operation**

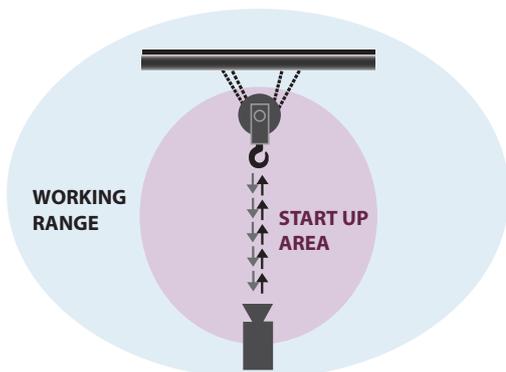
The system also allows for both start up range limiting function and also working area limited range functions.

We can also set the receiver that after a certain period of time it just switches off (say 90 seconds or 2 minutes) thereby preventing accidental operation of the crane, this is an excellent safety feature.

The Range Limiting function allows to reduce the maximum distance within which the transmitting unit must remain to start up the system and to optionally limit the radio remote control working range.

This function is widely used in automobile factories where they have many stations in one area.

Range Limiting





Tusker L6B

On a simple 4 pushbutton Dual Speed radio remote we offer the Tusker L6B. The system is known for its durability and is extremely affordable.

Some of the features of the system are:

A durable, robust IP65 industrial casing

Extremely low power consumption

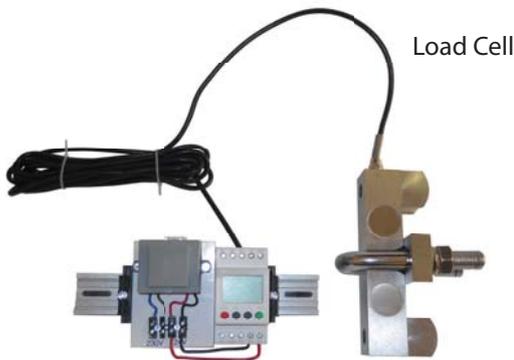
Working Temperature range from -45 to +80 Deg Celsius

Long operating distance of up to 100M

Purposely designed for the control of high vibration, heavy duty mobile and industrial equipment

Available in voltages from 24VAC to 380VAC and also in 12/24 VDC

These units come pre-wired so are simple to install or our technicians can do it for you.



Load Cell

Single Set Point Controllers

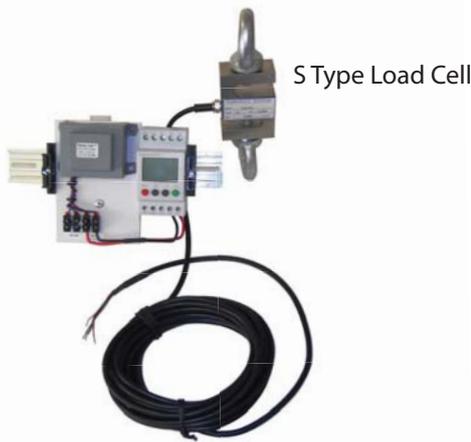
We make use of the ELLD single set point controllers as Load Limiting devices.

Where traditional "Rope Clamp" mechanical load limiters have been used in the past there is now the option to go for something a lot more advanced with very little extra in terms of outlay.

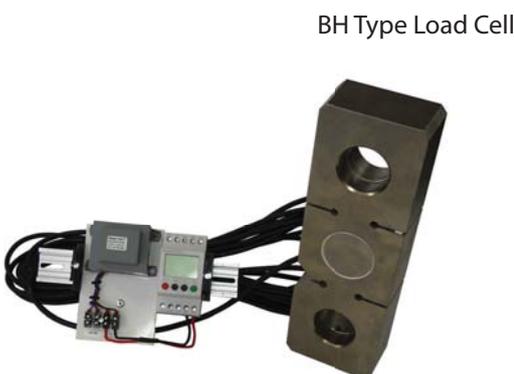
The system works in a similar manner to a mechanical "Rope Clamp" load limiter in as much that the load cell clamps onto the Dead End part of the rope but that is where the similarity ends. The wires of the load cell feed into the electronic ELLD controller that in turns reads the signal and will cut out at a set value. The benefits are as follows:

- (1% +/- 0.1%) accuracy
- Simple setting of the maximum load
- Ability to adjust the overload percentage between 0% to 20%, (Default Value 5%)
- Ability to select a time delay for overload of between 0 to 5 seconds
- Straightforward calibration
- Warning Beep and warning light option
- The annual inspection and adjustment can be done on site by any service provider that does load testing
- By lifting any known weight you can see if the load limiter is accurate by reading that weight on the ELLD screen. This is a great feature to have as an inspection can be done before a load test.

For chain Hoists we use a "S" type load cell and for really big cranes (250T, 36mm Rope for example) we use the BH series load Cell, in both instances connected to an ELLD controller.



S Type Load Cell



BH Type Load Cell