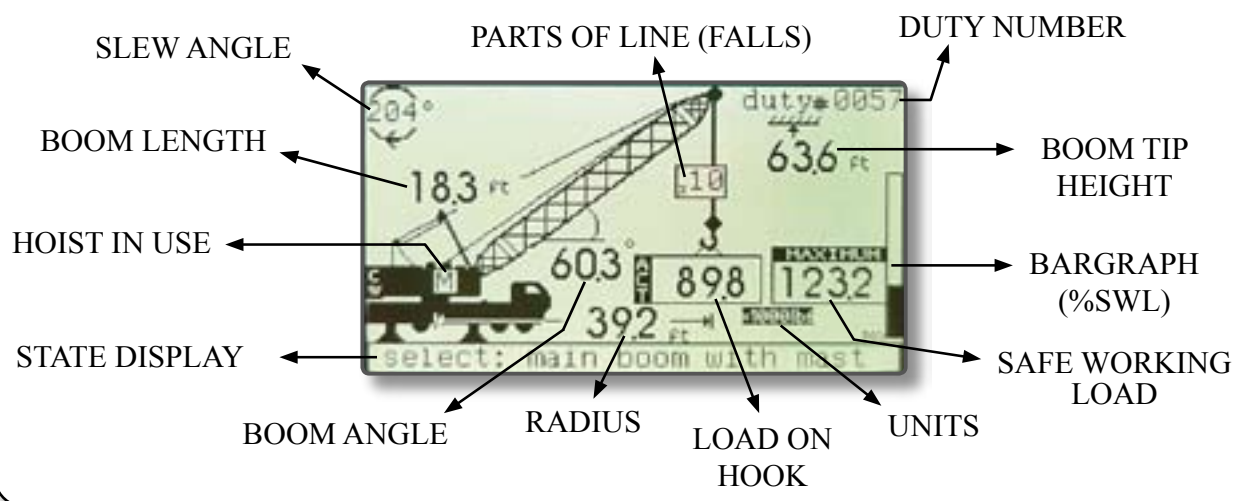
i3000 Quick Reference

WYLIE I3000 LATTICE CRANE WITH HOIST ROPE LOAD SENSOR(S) INTERFACE DESCRIPTION



DISPLAY BUTTONS PRESENTATION

MODE — Shows system's modes.	? — Shows the problem source when a fault is detected.
HOIST — Shows hoists for selection. Also used to scroll up in menus or increase modifiable values.	DUTY — Shows the menu for the selection of duty by number or by crane configuration.
PARTS — Shows parts of line (falls). Also used to scroll down in menus or decrease modifiable values.	INFO — Shows all the information regarding the actual crane configuration.
ESC — Escape from a menu list. Also used to cancel modification of a value.	BYPASS RIG — Bypass the motion cut (lockout). Enter the rigging mode.
✓ — Select button. Used to select a highlighted item in a menu.	TARE — Switch the load display between the actual load and the tare load.

MODE + ✓ — Press button #1 and button #4 <u>simultaneously</u> to reset the system. This could be usefull if the system stalls or becomes unstable due to DC power supply regulation.

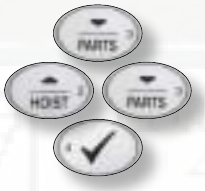
i3000 BASIC OPERATION

Hoist Selection:

- Push the HOIST button to display hoist selection.
- Scroll up or down with buttons #2 or #3 to highlight the desired selection.
- Push button #4 to confirm your choice.

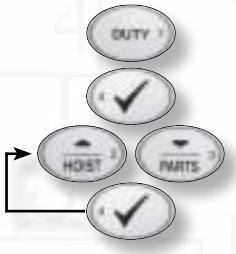
Parts of line (falls) selection:

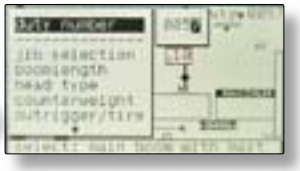
- Push the PARTS button (#3) to display parts of line selection.
- Scroll up or down with buttons #2 or #3 to highlight the desired selection.
- Push button #4 to confirm your choice.



Changing configuration by the duty number:

- Push the DUTY button (#7) to display the duty menu.
- The duty number should be already highlighted.
- Push button #4 to enter the duty number menu.
- Scroll up or down to highlight the desired number for the first digit.
- Push button #4 to confirm your choice.
- Scroll up or down to highlight the desired number for the second digit.
- Push button #4 to confirm your choice.
- Repeat steps 6 and 7 for the last two digits.





Changing configuration by parameters selection:

- Push the DUTY button (#7) to display the duty menu.
- Scroll up or down to highlight the parameter you wish to change.
- Push button #4 to display available choices for this parameter.
- Scroll up or down to highlight the desired configuration.
- Push button #4 to confirm your selection.
- Repeat steps 1 to 5 for every parameter you need to change.

Bypassing a lock-out condition:

- Depress and hold the BYPASS button to momentarily override a lock-out.
- The BYPASS button must be re-pushed after 15 seconds.

Information on the crane configuration:

- To display the actual configuration of the crane, press the INFO button (#8).
- Push it a second time to display the system version.

Failure information:

- When the state display show «X faults detected ! press ?» push the (?) button (#6) to show which fault has been detected.

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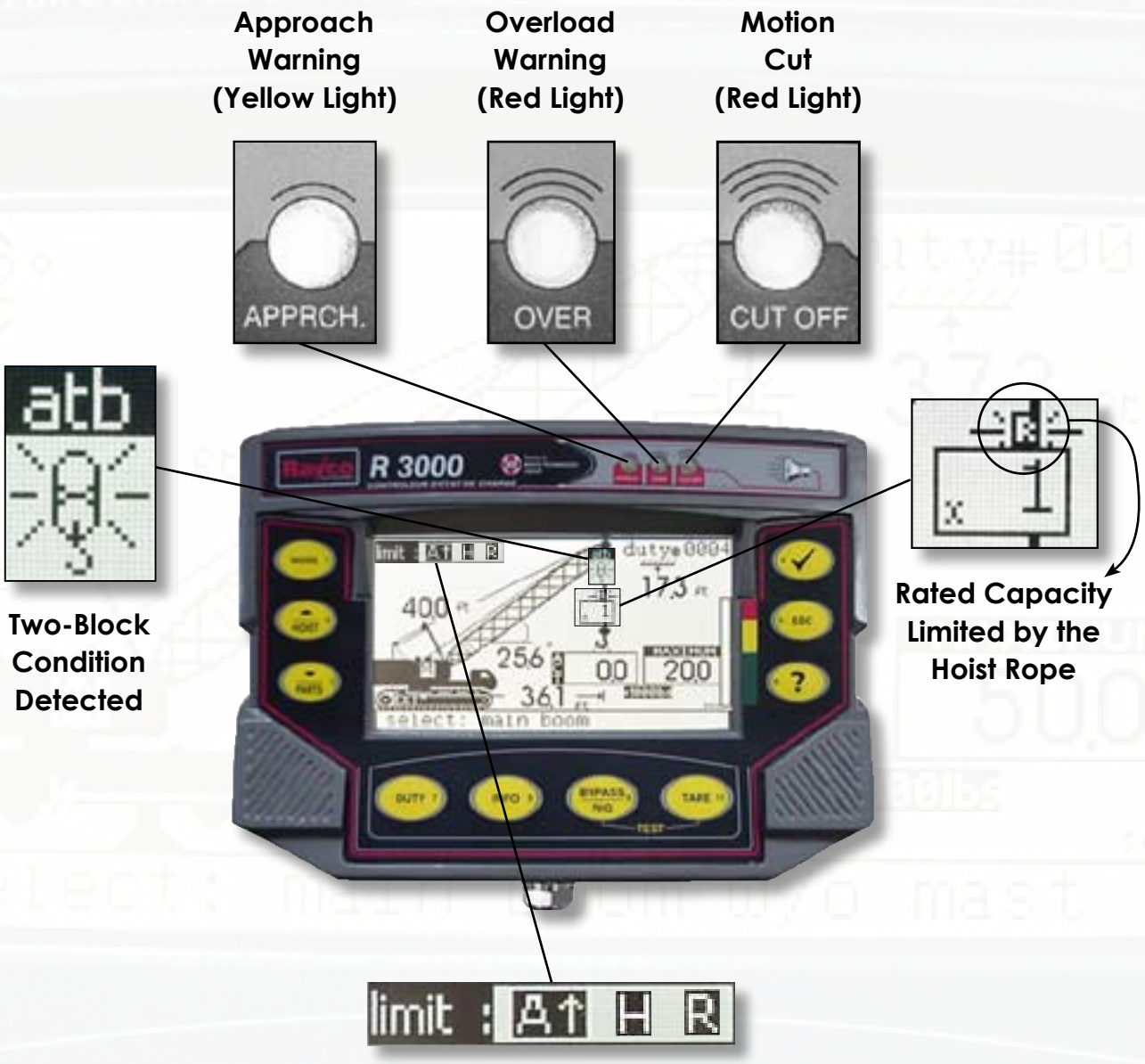
WARNING LIGHTS AND INDICATORS



DANGER

The i3000 must be set to the crane parameters (e.g. correct boom length, exact number of part of lines, outriggers extended or retracted etc.) before operating the crane or when changing the parameters. Wrong adjustment may cause the indicator system to show a safe condition in the event of an overload!

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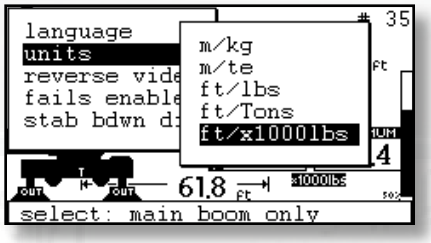
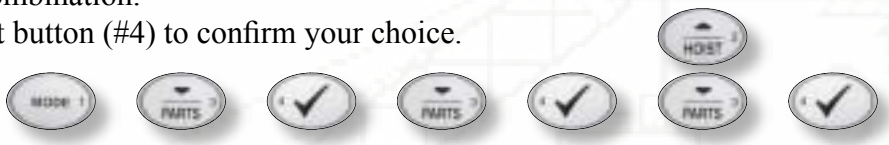
SYSTEM CONFIGURATION AND DIAGNOSTIC MENU

UNITS SELECTION:

It is possible to choose between 5 unit combinations. Each measure of length,load and pressure will be displayed on the main display. Proceed as follows to change these units:

1- Push the MODE button (#1).
2- Scroll down with the down button (#3) to highlight the «config.system» line.
3- Push the select button (#4) to confirm your choice.
4- Scroll down to highlight the «units» line.
5- Push the select button (#4) to enter the units menu.
6- Scroll up or down (button #2 or #3) to highlight the desired unit combination.
7- Push the select button (#4) to confirm your choice.



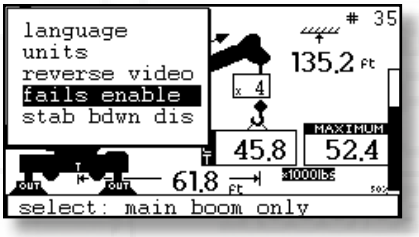


FAULTS ENABLED OR DISABLED:

In the main display, when there is a fault, the state display will shows «1 fault detected ! press ?» as long as the fault exists. If you don't want the state display to warn you when a fault is detected, just disable it as follows:

1- Push the MODE button (#1).
2- Scroll down with the down button (#3) to highlight the «config.system» line.
3- Push the select button (#4) to confirm your choice.
4- Scroll down to highlight the «faults enabl.» line.
5- Push the select button (#4) to switch to «faults disab.».
6- Push the ESC button (#5) to return to the normal mode.

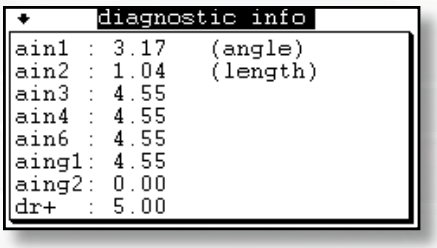
To enable the faults again, repeat steps 1-6.

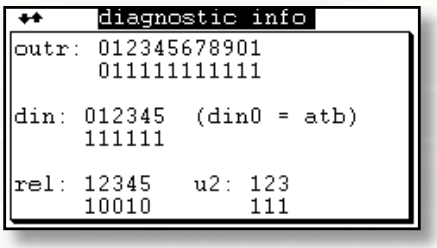


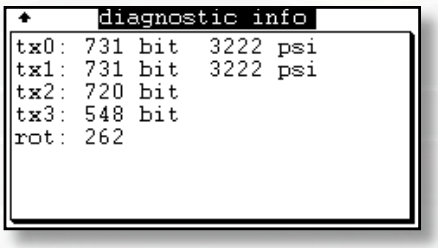
DIAGNOSTIC MENU:

The diagnostic menu can be very helpful to verify the sensor's signals.
To view the diagnostic men proceed as follows:

1- Push the MODE button (#1).
2- Scroll down with the down button (#3) to highlight the «diagnostic» line.
3- Push the select button (#4) to enter into the diagnostic info menu.
4- Scroll up and down to visualize all pages.
5- Push the ESC button (#5) to go back to the normal mode.







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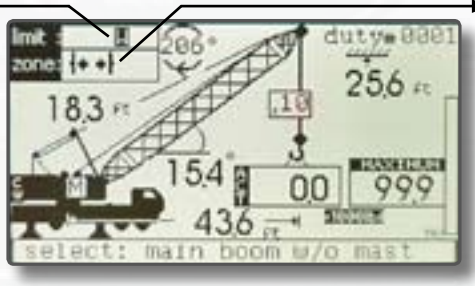
i3000 RANGE LIMITING DEVICE (OPTIONAL)

Shows which limit is reached:

- R RADIUS
- H HEIGHT
- W WALL



Shows which zone is programmed:

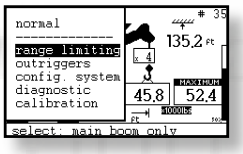
- limit high (roof)
- variable limit height
- variable limit radius
- free zone (two walls)

ALARMS: APPROACH WARNING OF THE LIMIT | LIMIT REACHED | CUT-OFF CONDITION

LIMIT PROGRAMMING:

There are 4 types of limits that can be programmed: **LIMIT HIGH, FREE ZONE, VARIABLE LIMIT HEIGHT** and **VARIABLE LIMIT RADIUS**. Because only one limit may be programmed at a time, you will need to delete any previously programmed limit. When a limit is programmed, the associated icon will be displayed in the area «zone». When you program a zone, just follow the instructions at the bottom of the screen.

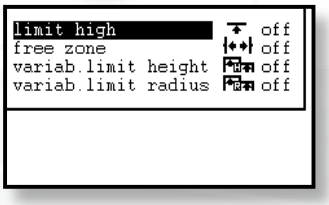
► ACCESSING THE RANGE LIMITING MODE:



1- Push the Mode button (#1) to display the mode menu.
2- Scroll down with button #3 once to highlight the range limiting option.
3- Push button #4 to enter the range limiting menu.

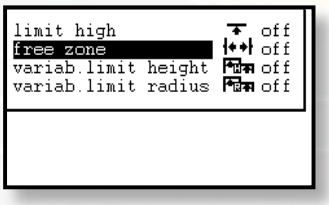
1) LIMIT HIGH:

1- Access the range limiting mode.
2- Use the up (#2) and down (#3) buttons to highlight «limit high» and push button #4 to confirm your choice.
3- Boom up to the desired boom tip height limit.
4- Push button #4 to confirm the maximum boom tip height position. As you release button #4, an 8 second countdown will allow you to boom down before your programmed height limit becomes active.
5- The display will automatically return to the normal mode.



2) FREE ZONE:

1- Access the range limiting mode.
2- Use the up (#2) and down (#3) buttons to highlight «free zone» and push button #4 to confirm your choice.
3- Rotate the crane to the first limit position (first wall).
4- Push button #4 to confirm that this will be the position of the first wall.
5- Rotate the crane to the second limit position (second wall).
6- Push button #4 to confirm. This will be the position of the second wall. As you release button #4, an 8 second countdown will allow you to rotate the crane between the two walls before your programmed free zone limit becomes active.
7- The display will automatically return to the normal mode.



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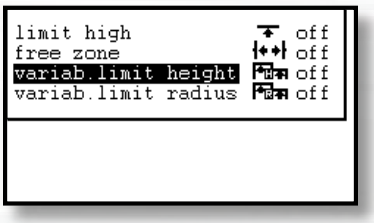
i3000 RANGE LIMITING DEVICE (OPTIONAL)

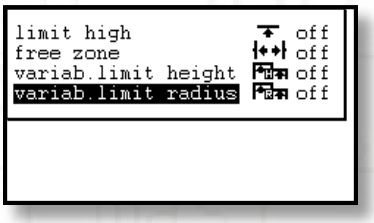
3) VARIABLE LIMIT HEIGHT:

1- Access the range limiting mode.
2- Use the up and down buttons to highlight «variab.limit height».
3- Push button #4 to confirm your choice.
4- Rotate the crane to the first limit position (first wall).
5- Push button #4 to confirm that this will be the position of the first wall.
6- Rotate the crane toward the second limit position (second wall) with the boom tip always at the maximum height permitted by the surrounding environment.
7- Push button #4 to confirm the position of the second wall. As you release button #4, an 8 second countdown will allow you to return between the two walls and boom down below the height limit before your programmed variable height limit becomes active.
8- The display will automatically return to the normal mode.



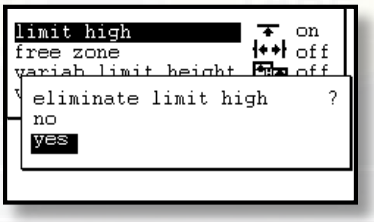
4) VARIABLE LIMIT RADIUS:

1- Access the range limiting mode.
2- Use the up and down buttons to highlight «variab.limit radius».
3- Push button #4 to confirm your choice.
4- Rotate the crane to the first limit position (first wall).
5- Push button #4 to confirm that this will be the position of the first wall.
6- Rotate the crane toward the second limit position (second wall) with the boom tip always at the maximum radius permitted by the surrounding environment.
7- Push button #4 to confirm the position of the second wall. As you release button #4, an 8 second countdown will allow you to return between the two walls and boom up within the allowed radius limit before your programmed variable radius limit becomes active.
8- The display will automatically return to the normal mode.



► DELETING A PROGRAMMED LIMIT:

1- Access the range limiting mode.
2- Push button #4 to display the delete limit menu.
3- Scroll down to highlight «yes».
4- Push button #4 to confirm that you want to delete the limit.
5- Push the ESC button (#5) to return to the normal mode.



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