Liftmoore’s Proportional Wireless Control for Electric Cranes with Diagnostics via On-Board WiFi

Speed Control of rotation, elevation, and extension functions is delivered through the trigger:

- Control of these functions is provided through speed control of the pump motor
- Slower speed requirements results in:
  - Reduction of heat build-up on the motor
  - Reduction of amperage demand on the battery and electrical power circuit

Expanded diagnostics to improve service at all levels:

- Operator information displayed on hand held control
  - Battery life of the rechargeable transmitter lithium battery
  - Signal strength between the transmitter and receiver
  - Crane’s system voltage
  - Capacity as a percentage of the total available
  - Error codes displayed including:
    - ATB
    - Overload
    - System voltage
    - Function signal input / output failure
    - When multiple errors are reported, these will scroll through the display screen one at a time

Optional stability monitoring with purchase of a dual axis inclinometer:

- When the truck is not level beyond 5 degrees as monitored
  - Transmitter will display “CHASSIS TILTED”
  - The functions that increase an overload situation will be disabled:
    - Hoist Up
    - Boom Down
    - Extension Out
  - Pump motor will be reduced to a maximum 50% speed
Receiver with On-Board Wifi
The built in WiFi connectivity enables diagnostic information and error history which are viewable in a webpage on smartphones, laptops, or tablets.

The menu options include a Diagnostic page which details the inputs from the transmitter and crane to the receiver, and the outputs of the receiver to the crane.

Also included in the menu options is a Histogram page, which indicates any active errors and the number of times an error or fault has been recorded for the life of the control system.

The Calibration, WiFi Control, WiFi Configuration, and Software Update buttons are limited to users through the use of passwords.

![Image of diagnostic page showing various input and output options and a histogram page displaying error statistics.]
Our complete line of cranes ranging from an electric DC-Powered 800 lbs. Capacity (4,500 Ft-lbs.) to a Hydraulic Powered 10,000 lbs. Capacity (72,000 Ft-lbs.) are designed and built to meet our high standards of quality, craftsmanship, and dependability.

Liftmoore also provides crane service bodies, that are designed to maximize the capabilities of the crane when matched to an appropriate chassis. With a variety of packages available, we are committed to providing solutions to our customers that meet their needs.

For more information, contact a Liftmoore representative today. A member of our team is ready to answer any questions you may have, and learn more about your current and future truck equipment needs. We are here to help!