

Crane Control System (CCS)

CCS offers a user-friendly interface, two full graphic displays, and jog dial. Parts commonality across the product lines enhance operator familiarization and serviceability.

RT



Internal LMI light bar

Tilt/telescoping steering wheel for additional in cab clearance

Previous gauge cluster is eliminated and placed in the operating display

Plastic covered sheet metal and welds

Sliding side and rear tinted windows

Fully adjustable seat (front, back and vertical)

Single or dual-axis joystick controls

Push button tilt control on armrest

Tiltable display with AR-V (anti reflective film) coating to reduce glare

RCL display that is lower than previous display to improve visibility

Operating display with service tool to aid in troubleshooting

Full color, high resolution screens with USB interface

Joysticks adjust response curves through operating display

CANbus jog dial that operates RCL, outriggers and allows changes between both displays

Control switches that turn on and off individual crane functions

GMK





Benefits

Commonality

- Same control system components used on all CCS cranes (improves field service and training)
- User interface designed to give a similar operating experience on all CCS cranes
- Utilizes standard ISO symbols that are recognized globally

Operator comfort

- Armrests that include joysticks and jog dial can be rotated up with push-button control and moved forward or backward with the seat
- Controls and jog dial are easily accessible from seat (eliminates uncomfortable reaching)
- Fully adjustable seat (allows for a custom fit)
- Displays are tiltable with an anti-reflective coating (reduces glare and aligns with operator preferences)
- RT: Single or dual-axis joystick controls are available based on user preference

Startup and setup

- Intuitive setup wizard makes startup quick and easy
- Fast startup time (approximately 5 seconds)
- Outrigger functions controlled from the operating display with jog dial
- Graphical Working Range Limiter (WRL) comes standard with CCS
- Boom configurator mode allows for easy set-up and optimal configuration selection on both RT and GMK TWIN-LOCK™ boom models

Informative interface

- Visually organized and consolidated screen (all crane functions, gauges and alerts are located in one place)
- High resolution, full graphical display with USB interface
- Hour count by function (allows better scheduling of routine maintenance)
- Four digit error codes allows for accurate and fast troubleshooting

Customization

- User may customize units of measure (metric/imperial)
- Joystick sensitivity may be tuned and scaled (swing, telescope, boom lift, main hoist, auxiliary hoist) to increase control precision

Rated Capacity Limiter (RCL) display

- Setup screen includes setup wizard, direct rigging code entry and active hoist setup
- Shows position of the boom (angle, length, tip height and radius) and slew angle
- Displays load, capacity, and percentage of capacity
- Displays the percentage outriggers are extended (Outrigger Monitoring System)



Operating display

- Provides all user interface required to operate and drive the crane
- Displays indicators, levels, warnings and faults codes for both the engine and crane
- Able to set joystick curves with customizable joystick responses
- Outrigger function control with jog dial input

