



RCI Pro (with height/slew)

RCI with an integrated height and slew limiter



Fully engineered for compatibility with all major manufacturers of excavators and other construction equipment, this integrated solution maximises productivity whilst maintaining strict control over the safety of the machine. RCI Pro (with height/slew) shares much of its functionality with its counterpart RCI Pro, providing a solution to ensure your machines remain stable in lifting operations whilst also providing a ready-made function to control the height and slewing movement of the machine.

With load, height and slew control combined, the system will meet the most stringent safety requirements on construction sites and by regulatory bodies. Using James Fisher Prolec's RCI and height and slew solution ensures compliance to relevant regulations whilst enabling you to tender for projects with larger infrastructure delivery firms who now specify that a reliable electronic safety system be fitted to any machinery used on sites.

RCI Pro with height/slew

RCI Pro (with height/slew) enables safe lifting operations through the machines working range. Fitted with an alarm beacon as standard (requirement by UK law), the systems warns the operator (indication only) should the machine approach its user defined height, slew or safe working

RCI Pro with height/slew (motion cuts on height/lifting)

RCI Pro (with height/slew) differs in that it provides all the functionality found on its counterpart, RCI Pro with height/slew (indication only) with the addition of motion cuts which physically restricts the machine's arm/boom should it approach a user defined height, slew or load/lifting limit.

Benefits of RCI Pro (with height/slew)

- LOLER compliance (external certification required)
- Enables your construction equipment to work on sites owned by major infrastructure companies
- Full utilisation of capacity throughout the lifting range
- Configurable using input data or OEM load charts
- Fits any equipment with virtually no hardware change
- Full utilisation of capacity through the lifting and slewing range
- Easily upgraded to include 2D guidance functions for excavation and grading





Standards features

- Real-time lifting capacity displayed through the range
- Actual load on hook displayed during lift
- Real time machine position monitored giving immediate warning of approach to limit
- Audible and visual alarm at or near limits (load, slew and height)
- Full data logging of all actions including alarms and limit warnings
- Displays safe movement options when at or near limits
- Override for supervisors
- Simple or complex height limits can be set to match working profile (e.g. tunnels)
- Context specific icons display status on-screen

Options

- Monitor cab and depth as well as reach and slew
- Multiple tool options to allow variance of load chart with tool
- Telescoping boom inputs
- LOLER (UK) expiry reminders
- Alternative languages
- Alternative angle and load sensor inputs possible
- Fail-safe variants
- Hydraulic control on movement at limit

Standards and Tests

- LOLER compliance (external certification required)
- Complies with H&S requirements on the machinery directive EN2006/42/EC
- Designed to meet EN474; BS7262;EN10567; EN13000:2010; EN13844;EN12077; EN62061; EN60204:2006
- Complies with LOLER requirements for UK lifting EMC EN13309:2010; EN50121-3:2006

Technical specification

- Display daylight viewable (650cd/m²)
- Input voltage 10-32V
- Power requirements as installed.
- System off: 2mA; 10V
system on: 1A; 32V system: 500mA (power requirements may vary dependant on hardware configuration)
- Operating temperature range -20 C to 65 C
- Touch button input on display
- CAN communications protocol
- Industry standard M12 connectors
- USB 2 input for data transfer

