

XW4-LMC Height & Slew Limitation for Lorry Mounted Cranes

Suitable for

- Lorry Mounted Cranes
- Special purpose machines



The **XW4-LMC** is one of a suite of safety products from Xwatch that has been designed to couple clarity and simplicity with accuracy and reliability while complying with all the current industry standards. XW4-LMC is specifically designed to work on lorry mounted cranes. Height and slew limitation is controlled using custom built high pressure manifold with solenoid valves providing accurate and repeatable.

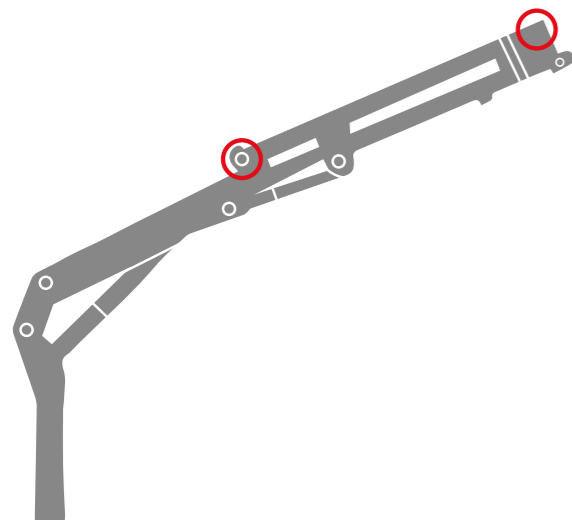
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Height Limitation

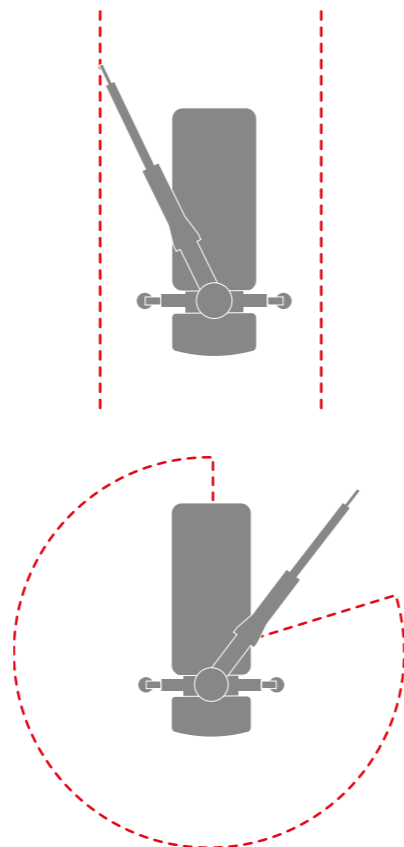
Operation is fail safe and fully automatic with function selection never more than two key presses away.

XW4-LMC monitors all potential high points on the crane using sensors proven across the XW series product range. Warning of approach and motion control of dangerous movement at a limit maximises safe and reliable crane operation when working under overhead obstructions. Where dual operating controls are provided, XW4-LMC can be specified with two displays.



Slew Limitation

Single/dual parallel wall or angular limitation are available. When walls are in use, the front end equipment is also monitored and controlled for limit breach. Limits can be either manually keyed in or set by positioning the machine. If both limits are active, the system will automatically flip to the appropriate display should a hazard approach occur. Set up is simple, quick, and can be protected with an optional access key switch. All settings are retained and will be active on start-up.



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Base system

Major components carry a five year guarantee excluding mis-use and physical damage.

IO Controller

Solid state, fully potted IP67. 4 x analogue inputs. 8 x digital inputs. 12 x output. All with full electrical protection and diagnostics, 2 x CAN bus. 11 - 30VDC. Manual override for motion control valves. < 10mS program cycle time for accurate response.

Angle sensors

Compact solid state 3 axis accelerometer with gyro compensation. Stainless steel, IP67. CAN J1939. Nylon mounting bracket. Can be mounted anywhere on the front equipment in any orientation. Direct drive performance. Up to three articulations can be monitored.

Display

Solid state, IP65, RAM mount to control station. 4.3" backlit colour LCD. 7 x backlit, tactile keys. 1 x CAN bus. 11 - 30VDC.

Reeling Drum

Stainless steel/ABS absolute magnetic encoder. IP67. CAN J1939. Available as standard in 3, 5, and 10 metre tele-extension. Other lengths are special order.

Cabling

Industry standard multi-core screened with M12 connectors.

Hydraulics

Custom made 4 way high pressure manifold with solenoid control valves. Manual override.

Options

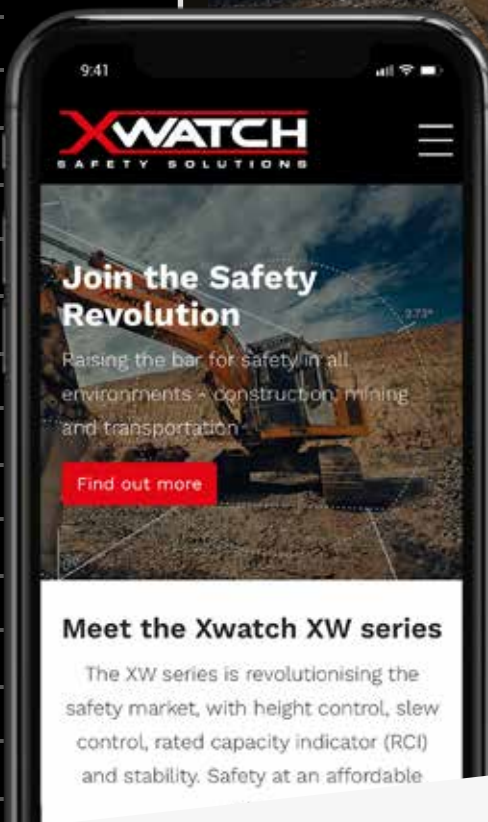
Slave display	Second display for dual control stations
Access key switch	Prevents/allows setting changes
Beacon	Height/slew limit active indication
Platform sensor	Monitors chassis pitch and roll angles for lorry levelling
Telematics	GSM event recorder with real-time monitoring

Join the Safety Revolution

Raising the bar for safety in all environments
- construction, mining and transportation.



Meet the Xwatch XW series



Check out more from Xwatch
at www.xwatch.co.uk

