

XW Series | Movement Restriction System for Construction Plant Machinery

XW MEWP Height & Slew Limitation

Suitable for

- Self Propelled Booms (3b, 3b+)
- Vehicle Mounted Booms (1b, 1b+)
- Spider/Tracked Booms (3b, 3b+)
- Vertical Scissors Lifts (1a, 3a/3a+)



The XW MEWP can be configured to work on a variety of powered access equipment (MEWPs). Height and slew limitation is controlled using motion cuts providing accurate and repeatable performance without detriment to the machine.

XWATCH
SAFETY SOLUTIONS

XW MEWP Height & Slew Limitation



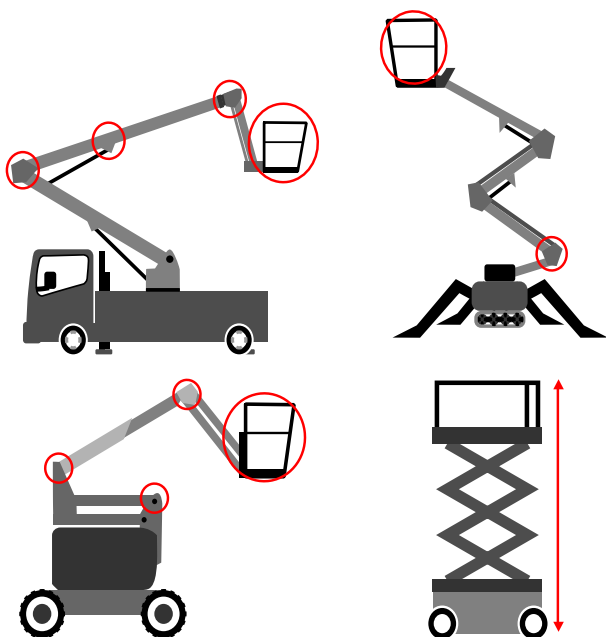
Height Limitation

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

All potential machine high points are monitored. Full power is always available to move away from a limit.

Motions are controlled via either hydraulic or electrical control so there is no machine 'bounce', overshoot, or undershoot.

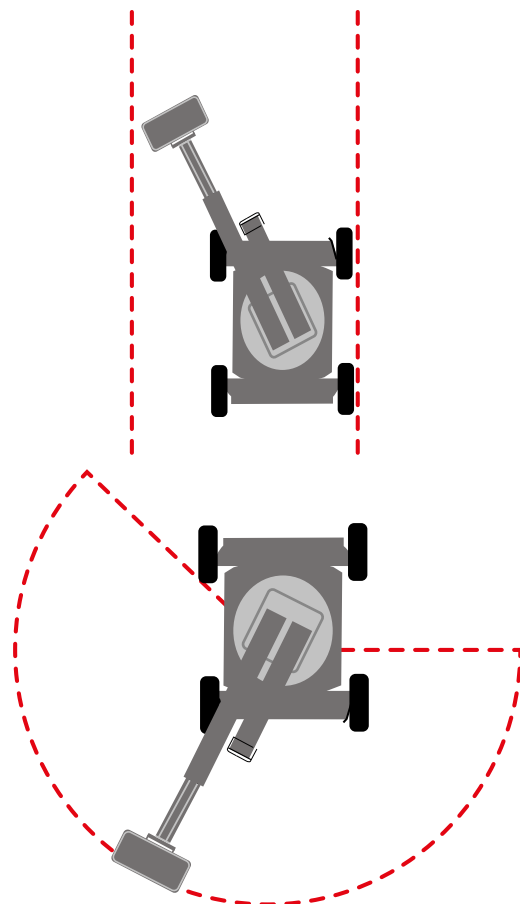
An optional chassis sensor can be installed to correct for terrain slope.



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.



XW MEWP Height & Slew Limitation

Base system

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

IO Controller

Solid state, fully potted IP67, mounted in pump or engine bay. 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 key override for motion control valves. <10mS program cycle time for accurate response.

Display

Solid state, IP65, RAM mount to window or dash. 4.3" or 2.8" backlit colour LCD. 7 x backlit, tactile keys. 1 x CAN bus. 11 - 30VDC.

Cabling

Industry standard multi-core screened with M12 connectors.

Angle sensors

Compact solid state 3 axis accelerometer with gyro compensation. IP67. CAN J1939.

Can be mounted anywhere on the front end equipment in any orientation providing direct drive sensor performance.

Up to four articulations including extension sensors can be monitored.

Slew sensing by inductive proximity switches or incremental rotary encoder.

Compliances

Compliances as standard.

2006/42/EC

2014//30/EU

2011/65/EU

EN13849

BS EN 280:2013+A1:2015

Options

Access key switch	Prevents/allows setting changes
Reeling drum	Monitors telescopic arm extension (single proximity switch detection also available)
Displays	Optional dual displays
Platform sensor	Monitors chassis pitch and roll angles
Telematics	Remote visibility via subscription

Choose your XW MEWP

	XW MEWP	XW MEWP	XW MEWP
Height Control	✓	✗	✓
Slew Control	✗	✓	✓



Want to know more?

visit xwatch.co.uk

