

## XW1 Series Height Limitation

### Suitable for

- Excavators
- Truck mounted cranes
- Flails and Mowers

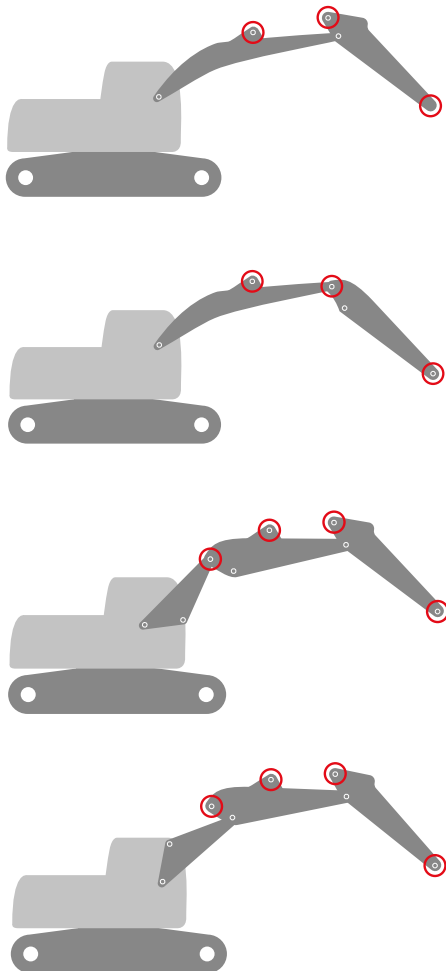


The XW1 can be configured to work on a variety of articulated hydraulic plant. Height limitation is controlled using proportional soft-stop hydraulic valves providing accurate and repeatable performance without detriment to the machine. Operation is fail safe and fully automatic with function selection never more than two key presses away.

# XW1 Height Limitation



All motions are individually controlled with ramped slow down on approach and soft-stop. There is no machine 'bounce', overshoot, or undershoot. An optional chassis sensor can be installed to correct for terrain slope.

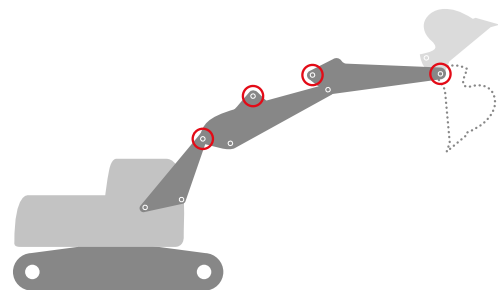


A height limit can be either manually keyed in or set automatically by positioning the machine equipment and pressing HERE.

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.

Additional tools need to be in their least favourable position when a limit is set.



# XW1 Height 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. Stainless steel, IP67. CAN J1939. Steel mounting bracket. Can be mounted anywhere on the front end equipment in any orientation. Direct drive performance.

Up to three articulations can be monitored with the addition of chassis attitude.

### Hydraulics

Custom made super compact aluminium PWM proportional sandwich valve available in 2, 4, and 6 valve manifolds.

## Options

<b>Access key switch</b>	Prevents/allows setting changes
<b>Beacon</b>	Height limit active indication
<b>Reeling drum</b>	Monitors telescopic arm extension (single proximity switch detection also available)
<b>Platform sensor</b>	Monitors chassis pitch and roll angles
<b>Data Logger</b>	CAN bus mounted event recorder with SD card
<b>12VDC Valve coils</b>	No cost option for smaller machines



# Choose your XW Series

	XW1	XW2	XW3	XW4	XW5
Height Control	✓	✓	✗	✓	✓
Slew Control	✗	✗	✓	✓	✓
Rated Capacity Indicator (RCI)	✗	✓	✗	✗	✓

Want to know more?

visit [xwatch.co.uk](http://xwatch.co.uk)

