

XW Series | Movement Restriction System for Powered Access

## XW4-MEWP Height, Slew & Tele 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 XW4-MEWP can be configured to work on a variety of powered access equipment (MEWPs). Height and slew limitation is controlled, providing accurate and repeatable performance.

**Sphere 24**

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## XW4-MEWP Height & Slew Limitation



### Height Limitation

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

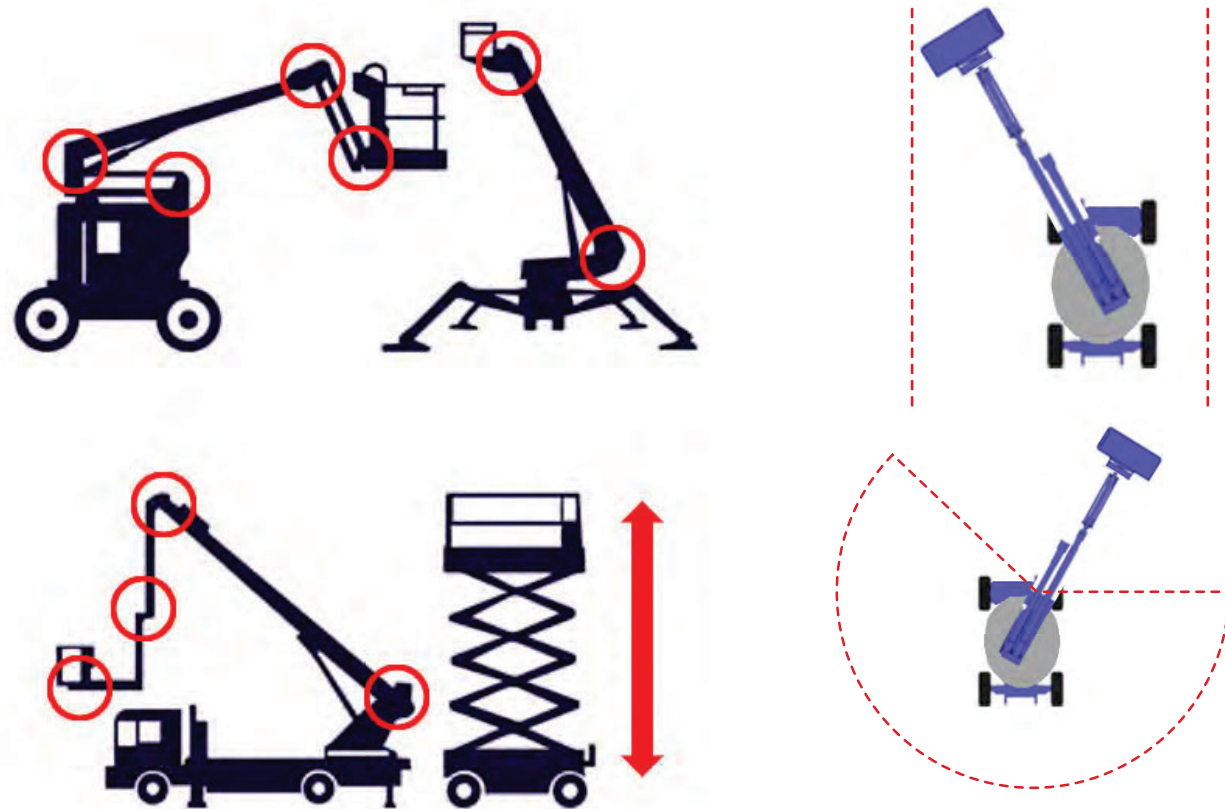
All potential machine high points are monitored and appropriate motions controlled. Full power is always available to move away from a limit.

Motions are 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.

### 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.



## XW4-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. 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. ABS, IP67. CAN J1939. Nylon mounting plate. Can be mounted anywhere on each articulation in any orientation. Up to three articulations can be monitored with the addition of chassis attitude.

### 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

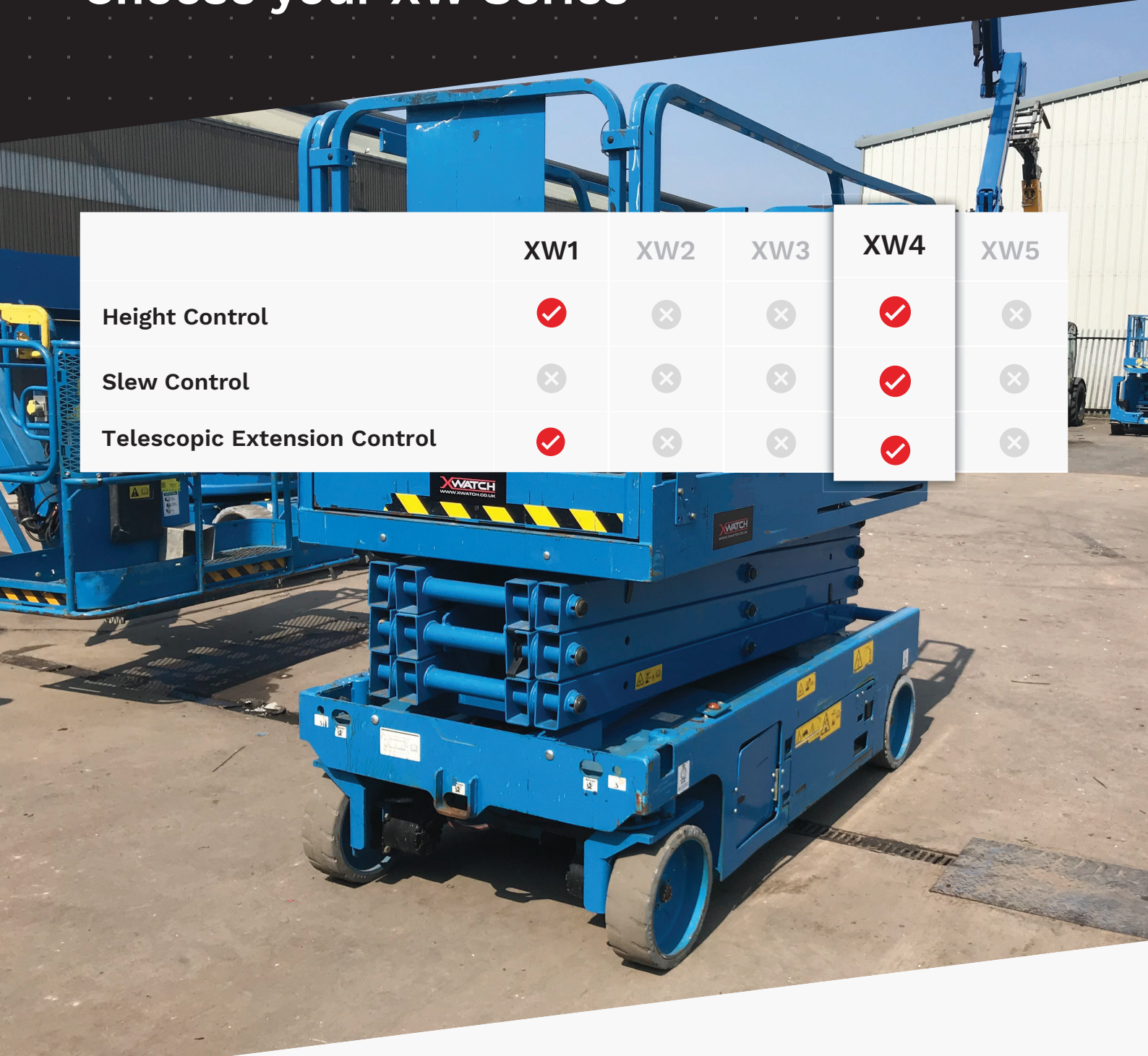
Industry standard multi-core screened with M12 connectors.

### 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	Connectivity available

# Choose your XW Series

	XW1	XW2	XW3	XW4	XW5
Height Control	✓	✗	✗	✓	✗
Slew Control	✗	✗	✗	✓	✗
Telescopic Extension Control	✓	✗	✗	✓	✗



Want to know more?



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