SERIES 1-H

SERIES 1-H HEIGHT LIMITER

The Series 1-H is a simple, accurate, cost effective height limiting system suitable for self-installation.

PRODUCT OVERVIEW

The Series 1-H will protect workers from overhead danger when it is difficult to judge the actual height of the machine from within the cab.

How the Series 1-H Works

The machine operator is able to define a preset limit of the machines boom on the Series 1-H operator station, preventing movement of the boom outside of the pre-set limit. This entry level height limiting system monitors the angle of a single boom and provides a motion cut signal output when the angle is exceeded.

SERIES 1|H

SERIES 1-H SPECIFICATION

The Series 1-H consists of a gravity referenced angle sensor mounted on the lifting boom and a display at the operator station. Sensing the height using a gravity referenced angle sensor rather than a sensor referenced against the machine body, ensures that height limits are maintained accurately even when the machine is tilted when working on an incline.

The Series 1-H contains a relay-operated output which changes state on height limit, this output will drive a hydraulic solenoid valve to provide hydraulic motion cut on the lift circuit, or may also drive an external alarm or beacon.

SERIES 1-H APPLICATION

The Series 1-H has been developed for use in the construction, utility maintenance and agricultural industries for use on machines such as excavators, backhoe loaders, telehandlers and other articulated boom machines operating in restricted conditions.

SYSTEM - TECHNICAL DESCRIPTION

Parameter Specification	Specification
Display	LED display with integrated key switch - IP64 rated RAM® mount to window or dashboard
Angle Sensor	Gravity angle sensor - IP67 rated
Motion Cut	Compatible with 12 or 24v coils

THE SERIES 1 RANGE	SERIES 1|H	SERIES 1|L	SERIES 1|S
Height Monitoring	✓		
Height Control (motion cut)	✓		
Load Monitoring		✓	
Load Control (motion cut)		✓	
Slew Monitoring			✓
Slew Control (motion cut)			✓

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