

1HLi

HEIGHT LIMITING SYSTEM



Simple, accurate, cost effective height limiting system suitable for self-installation. 1HLi will protect workers from overhead danger when it is difficult to judge the actual height of the machine or the position of the booms from the cab.



1HLi Application

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

How it works

The machine operator is able to define a pre-set limit of the machines boom on the 1HLi 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.

The specification

The 1HLi 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. 1HLi 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.



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