

1HLi-R

HEIGHT LIMITING SYSTEM FOR RAIL



Simple, accurate, cost effective height limiting system suitable for self-installation. 1HLi—R 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.



Height Limiter for Rail

The 1HLi-R height limiter is a variant of the 1HLi height limiting system developed for the rail maintenance and renewal industry for road rail applications. Not all road rail vehicles (RRV's) will require the full SpaceGuard safety system but operations will still be vulnerable to the danger of live overhead wires and other hazards working in confined spaces. The 1HLi-R provides a simple and cost-effective solution, with all of the latest advances in rail safety included.

How it works

This road rail vehicle height limiting system monitors the angle of a single boom and provides a motion cut signal output when the angle is exceeded. HLi-R also utilises dual sensing where the system identifies any mismatch between the two sensors to increase the reliability and safety when working on rail.

The specification

This dual sensing system uses both Direct Drive and Gravity Referenced Angle Sensors on the primary boom detecting boom position.

- A mismatch between the two angle sensors causes an error state to be triggered
- Vehicle gradient is automatically compensated for
- Additional outputs will drive external status lamps to indicate the height limiter status externally
- Extra safety has been added through dual sensing of all motions.



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