

Live line indicator

Issued to: **All Network Rail line managers, safety professionals and accredited contractors**

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Location: National

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Overview

A recent incident involved a HVD03/2D Live Line Indicator (LLI) - Cat No 094/007055 - which indicated a section of overhead line equipment (OLE) was de-energised when it was live.

The live line indicator was being used for section proving on equipment that was expected to be live. But the indicator displayed a green aspect falsely indicating the equipment was de-energised. An alternative live line tester was used in order to complete the section proving

Investigations since the incident point to the unit not being used as prescribed. This incident demonstrates incorrect use of this tester can result in false indications.

Some Routes have since imposed restrictions on using this type of unit. This bulletin confirms the devices are safe to use if used in accordance with the working instruction.

Immediate action required

- Until the investigation is concluded an additional test must be conducted a minimum of 3m away from overhead line structures and/or insulators.
- NR/L3/ELP/27237 module E14 must be followed at all times.
- HVD03/2D LLI must only be used for the purpose of checking the OLE is de-energised before applying earths, and 'Test before Touch' checks of the contact wire, from ground level. This device must not be used for section proving.
- The HVD03/2D LLI must be hooked over the contact wire and held in place for at least two seconds to complete the test.
- HVD03/2D LLI must only be used on the lowest conductor, usually the contact wire. Do not allow the safety limit mark (red sleeve) to go above the lowest conductor.
- HVD03/2D LLI must always be checked using their approved proving units before and after every line test activity.
- HVD03/2D LLI and their components should be handled with reasonable care at all times. They should be kept as dry as practicable in use and must be dry and clean between shifts.
- The HVD03/2D LLI must be calibrated annually by the manufacturer.