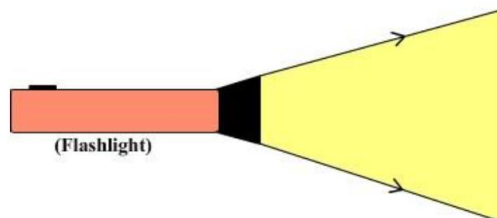




Voltage Detection Devices

Following on from a First Alert issued in April 2018; a Voltage Detection Device is not responding as expected

In April 2018 a First Alert was issued regarding a VDD Proximity tester not alerting on a live line. All internal VDD were tested; certified and an investigation into possible causes of the anomaly was completed.



The investigation showed that comparable to other non-contact AND contact type VDD's; the Modiewark non-contact unit (used by Cake) appears to be sensitive to orientation and direction of application. It was best described as the beam from a torch; only the front section is sensitive to voltage, the sides and top/bottom are not. If the head is not positioned perpendicular to the conductor or is placed on top of the live point, then it is unlikely to provide positive indication of a live circuit.



IMMEDIATE ACTION TAKEN

- New training completed in-house by Cake Commercial Services for the correct use of Modiewark VDD units under outage
- A Safety Alert issued for industry to acknowledge and remind the users of non-contact VDD's to be aware of their possible directional nature

ROOT CAUSE

This can be put down to a training issue; however, the manufacturing guidelines of the product are not clear about the use on Transmission lines in their documentation.

LEARNINGS

- Correct application of the Modiewark Non-Contact VDD – and it's sensitive directional usage
- For a copy of the report, please request from Michelle Orum at Cake Commercial Services.

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