



Product Information Sheet

Remote Disconnection Link (RDL)

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Overview

This product is an initiative from Network Rail’s Safer Trackside Working safety programme designed to provide an early safety improvement for track workers who are involved with patrolling, by providing technical protection through the control of signalling equipment for relay based interlockings. Recent developments in technology have made it possible to control bi-stable relays through GSM text messages. The project takes advantage of this development and adapts it to the railway safety environment.

Concept

The RDL concept is to provide a safe, simple, remote (if necessary) device that enables technicians to take a line blockage with additional protection, with the same

simplicity as currently available with the SSI Technicians Terminal.

The RDL provides a remotely controlled latched relay device that can be operated by use of an SMS message over the cellular mobile network using a secure link to latch/unlatch the relay as required.

A contact of the latched relay is wired in series with the interlocking signal controls, where it should be specifically noted that the integrity of the interlocking must be maintained at all times, hence any solution would be “signaller side” of the interlocking as opposed to “signal side” so that the safety provided by the interlocking, in the event of device failure or false input, would be maintained at all times.

