

Product Type Approval Certificate

Restricted


This certificate is issued to:

Supplier name and address:	Radiodetection Limited Unit H1 101 Rookwood Rd Yagoona NSW 2199
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In respect of:

Manufacturer:	Radiodetection
Place of manufacture:	United Kingdom
Product description:	RD8200 Electronic Cable Detector
Use approved for:	Location of Buried underground services
Conditions of approval:	Current Detection mode shall not be used where Computer based Interlocking equipment is used
Limitations:	N/A

Evaluating rail transport operator

Name:	Andrew Gardner
Position:	Director signals & Control Systems Engineering
Signature:	
Date:	08 June 2023

Notes on approval

The Radio Detection RD8100 was type approved (Restricted) in 2019 on the condition that the Current Direction Mode be disable prior to use in all live operational signalling environments.

The RD8100 model has since become obsolete and replaced by the RD8200 model, which uses the same transmitter and whilst the receiver has new hardware it performs the same functions as the RD8100 model.

Testing of the RD8200 model was performed by Sydney Trains using a Fluke Scope-Meter, a Current Clamp Meter, and a Fluke multi-meter for two different output modes, namely: Directly Coupled and Inductively Coupled.

It was found that the transmitter of the RD8200 model gave almost identical outputs as compared with those seen in the previous testing of the RD8100 model.

The RD8200 model is approved for use with the same conditions as the RD8100. That is, the Current Direction Mode be disable prior to use in all live operational signalling environments.