



# Type Approval Certificate

**“Full”**

**Certificate No.:** MTM-FTA-00083

**Issue No.:** 2

**Issue Date:** 18/12/2015

**Expiry Date:** Nil

*This Certifies That the Product Detailed Below*

*Has Satisfied The Requirements For*

*Metro Trains Melbourne Full Type Approval*

<b>Product:</b>	Dual Inventive ZKL3000 and ZKL3000-RC Track Circuit Operating Devices (TCOD)
<b>Type/Model:</b>	Refer to Appendix 1 for details
<b>Manufacturer:</b>	Dual Inventive
<b>Place of Manufacture:</b>	Dual Inventive, Netherlands
<b>Supplier:</b>	Strukton Rail Australia Pty Ltd 53 Churchill Ave Subiaco WA 6008
<b>Description:</b>	A remote controlled TCOD for activating track circuits.
<b>Application(s):</b>	A TCOD for activating track circuits during planned engineering operations in accordance with Operational Requirements.
<b>Specified Standards /Specifications:</b>	Refer to “Dual Inventive ZKL3000 and ZKL3000-RC Track Circuit Operating Devices Full Type Approval Audit Report” Issue 2.0, Appendix B – Compliance Matrix.

Certificate void without pages 2 to 7

*Approved By Chief Engineer*

*Phil Ellingworth*

**Disclaimer**

*This certificate is issued based on submitted documentation and MTM Type Approval Recommendation (TA 0083, dated 18/12/2015). The certificate remains valid until the date specified above, unless cancelled or revoked, provided the service restrictions indicated are complied with and the product remains satisfactory in service. It will be null and void if the manufacturer is changed or if any changes or modifications are made to the product without notification and agreement in writing with MTM. MTM cautions manufacturers to review and maintain compliance with all other standards/specifications to which the product may have been assessed. Further, unless it is specifically stated in the description of the product, Type Approval does not waive the requirement for product inspection and adherence to disclosed manufacturing procedures, MTM assumes no responsibility or liability for any loss, damage, or expense caused by reliance on the information or advice in this document.*