



A Tyco International Company

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## DECLARATION OF SIMILARITY

Date: 25th June 2015

TRaC GLOBAL LTD.  
100 Frobisher Business Park,  
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RE: Declaration of Similarity

FCC ID: QABTSR608V93E      IC ID: 12009A-TSR608V93E

To Whom It May Concern:

Please be advised that all following emerald models - TSR/300/608, TSR/300/105, TSR/300/106, TSR/300/107, TSR/300/108, TSR/200/608, TSR/200/105, TSR/200/106, TSR/200/107, TSR/200/108, TSR/100/608, TSR/100/105, TSR/100/106, TSR/100/107 and TSR/100/108 are electronically identical, all RF measurements and test results are the same. All 15 versions are built to one hardware and Firmware build. The only difference is the SAM card which is required for compatibility with Picopass/iClass /iClass SE smart cards. The emerald models - TSR/\*00/105 and TSR/\*00/107 do not have the SAM card fitted. Without the SAM card fitted the emerald (TSR) is compatible with only Mifare CSN and/or CEM Desfire smart card formats.

The TSR/\*00/608 is classed as multi smart, this means that it can work with most 13.56MHz RFID card formats i.e. Picopass, iClass, iClass SE, Mifare CSN and CEM Desfire. When the TSR/\*00/608 is connected to an AC2000 system it automatically downloads the card database and card format data from the system it has been connected too. This is the point when the card format the the emerald (TSR) unit will respond to is selected.

The **TSR/\*00/608** is to be marketed as a multi smart card reader compatible with Mifare CSN, Picopass, CEM Desfire and iClass / iClass SE card formats. The **TSR/\*00/105** is identical in both hardware and firmware to the TSR/\*00/608 but has No SAM fitted, it is to be marketed for Mifare CSN card format. The **TSR/\*00/106** is identical in both hardware and firmware to the TSR/\*00/608 with SAM fitted, it is to be marketed for Picopass card format. The **TSR/\*00/107** is identical in both hardware and firmware to the TSR/\*00/608 but has No SAM fitted, it is to be marketed for CEM Desfire card format. The **TSR/\*00/108** is identical in both hardware and firmware to the TSR/\*00/608 with SAM fitted, it is to be marketed for iClass / iClass SE card formats.

The differences between the 100, 200 & 300 models are purely functional and are controlled by product licensing. The 300 model is fully featured, the 200 and 100 models have subsets of the features offered by the 300 model. These subsets are as follows:-

The **TSR/100/\*\*\*** is the base level intelligent access terminal with normal access control functionality.

The **TSR/200/\*\*\*** is the mid range level intelligent access terminal with normal access control and additional VoIP intercom facility enabled.

The **TSR/300/\*\*\*** is the top level intelligent access terminal with normal access control, VoIP and additional Remote Applications enabled.

Thank you for your attention to this matter.

Yours faithfully

Company: Controlled Electronic Management Systems Limited

Signature:

Name:

Ian Schofield

(Hardware Manager)

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