



A Tyco International Company

CEM Systems Ltd
Tyco Safety Products
195 Airport Road West
Belfast BT3 9ED
Northern Ireland
Tel: +44 (0)28 9045 6767
Fax: +44 (0)28 9045 4535
Email: cem.sales@tycoint.com
Web: www.cemsys.com

DECLARATION OF SIMILARITY

Date: 25th June 2015

TRaC GLOBAL LTD.
100 Frobisher Business Park,
Malvern, Worcestershire
WR14 1BX, UK

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)

International Trade Controls and Restrictions

This correspondence may contain or have attached to it information or technology the export or re-export of which is restricted by applicable laws and regulations, which may include U.S. laws and regulations. By viewing this correspondence and any attachments, the recipient agrees to the following: (i) the recipient's use of this correspondence and any attachments shall comply with all applicable laws, rules and regulations, including, without limitation, U.S. international trade laws and regulations, and (ii) the recipient may not transfer or otherwise export or re-export and information or technology contained in this e-mail or any attachment except in full compliance with the export controls administered by the U.S. and other countries and any applicable import and use restrictions.