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Testing &
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Test Report

Number 103081

Apparatus A single TC408/12-RTA traffic controller, housed in a metal enclosure fitted with a pre-programmed personality card to simulate the operation of a typical intersection.

Manufacturer Aldridge Traffic Controllers
Averill Street
Rhodes, NSW 2138

Client Roads and Maritime Services NSW
Level 5, Pod D The Octagon
99 Phillip Street
Parramatta, NSW 2150

Date of Tests 26 April 2012

The apparatus, constructed in accordance with the description and photographs incorporated in this Test Report has been tested generally* in accordance with:

Australian Standard 60335 : 2010, Clause 10

Tests

Measure average power input and power factor at applied voltages 216 V, 240 V and 264 V.

Results

Applied Voltage (Vrms)	Average Input Power (W)	Power factor
216	64.6	0.21
240	69.4	0.19
264	73.6	0.17

This Test Report applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designations with that tested rests with the manufacturer. Only reproduction of this entire document is permitted without written permission from Testing & Certification Australia, 18 Mars Road, Lane Cove, NSW, 2066, Australia. Telephone 61 (0)2 9424 3600, Facsimile 61 (0)2 9428 2645.

This Test Report comprises 3 pages and 4 photographs

M. A. Carstedt

M. A. Carstedt
NATA Signatory

M. A. Carstedt

Manager - TCA

13/6/2012

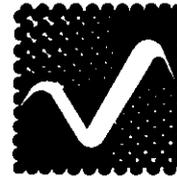
Date of Issue



This document is issued in accordance with NATA's accreditation requirements. Accredited for compliance with ISO / IEC 17025. Accreditation Number 62.

Test Record

Laboratory Reference No: 103081



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CONTENTS

Test Record : Pages 1 to 3
Photographs No. : 25205 – 9770, 9775, 9781 and 9787

APPARATUS TESTED

A single TC408/12-RTA traffic controller, housed in a metal enclosure fitted with a pre-programmed personality card to simulate the operation of a typical intersection.

CLIENT

Roads and Maritime Services NSW
Level 5, Pod D The Octagon
99 Phillip Street
Parramatta, NSW 2150
Australia

DATE OF RECEIPT OF TEST ITEM

20 March 2012

ORDER NUMBER

4510301227 dated 20 March 2012

MANUFACTURER

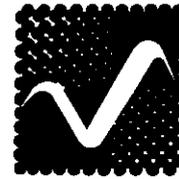
The manufacturer has declared that the apparatus was manufactured at the following location :

Aldridge Traffic Controllers
Averill Street
Rhodes, NSW 2138
Australia

M. A Carstedt
NATA Signatory

Test Record

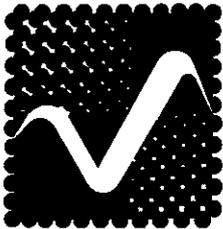
Laboratory Reference No: 103081



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LABORATORY

The apparatus was tested at:



Testing & Certification Australia
Lane Cove Testing Station
18 Mars Road
Lane Cove NSW 2066 Australia
Telephone 61 (0)2 9424 3600, Facsimile 61 (0)2 9428 2645
www.tcaust.com

The laboratory accreditation details are:



NATA Accredited Laboratory to ISO / IEC 17025. Accreditation Number 62.



ASTA BEAB Accredited Laboratory to ISO / IEC 17025 and ASTA Publication 31,
Registration Number 5118.

SCHEDULE OF TESTS

Tests to AS/NZS Standard 60335: 2010

Clause Page No.

Determine average power input and power factor
at applied voltages 216 V, 240 V and 264 V

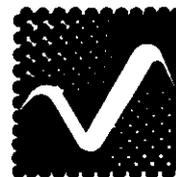
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NATA Signatory

Test Record

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TEST CONDITIONS

1. The measurements were made with a Norma Wide Band Power Analyser Model D6100 over a 30 minute period and calculating the average for that period. The deviation from rated power was not calculated for the unit.
2. The unit was operated without any loads, i.e. no traffic lanterns were connected.

TEST RESULTS

TC408/12-RTA traffic controller		
Applied Voltage (Vrms)	Average Input Power (W)	Power factor
216	64.6	0.21
240	69.4	0.19
264	73.6	0.17

Uncertainties at 95% confidence interval with coverage factor of 2:
Volts : $\pm 0.1\%$
Watts : $\pm 0.2\%$
Power factor angle: $\pm 0.005^\circ$

PHOTOGRAPHS

Number **Caption**

25205/

- 9770 Front view with door opened
- 9775 Front view with door closed
- 9781 Marking label
- 9787 Control units

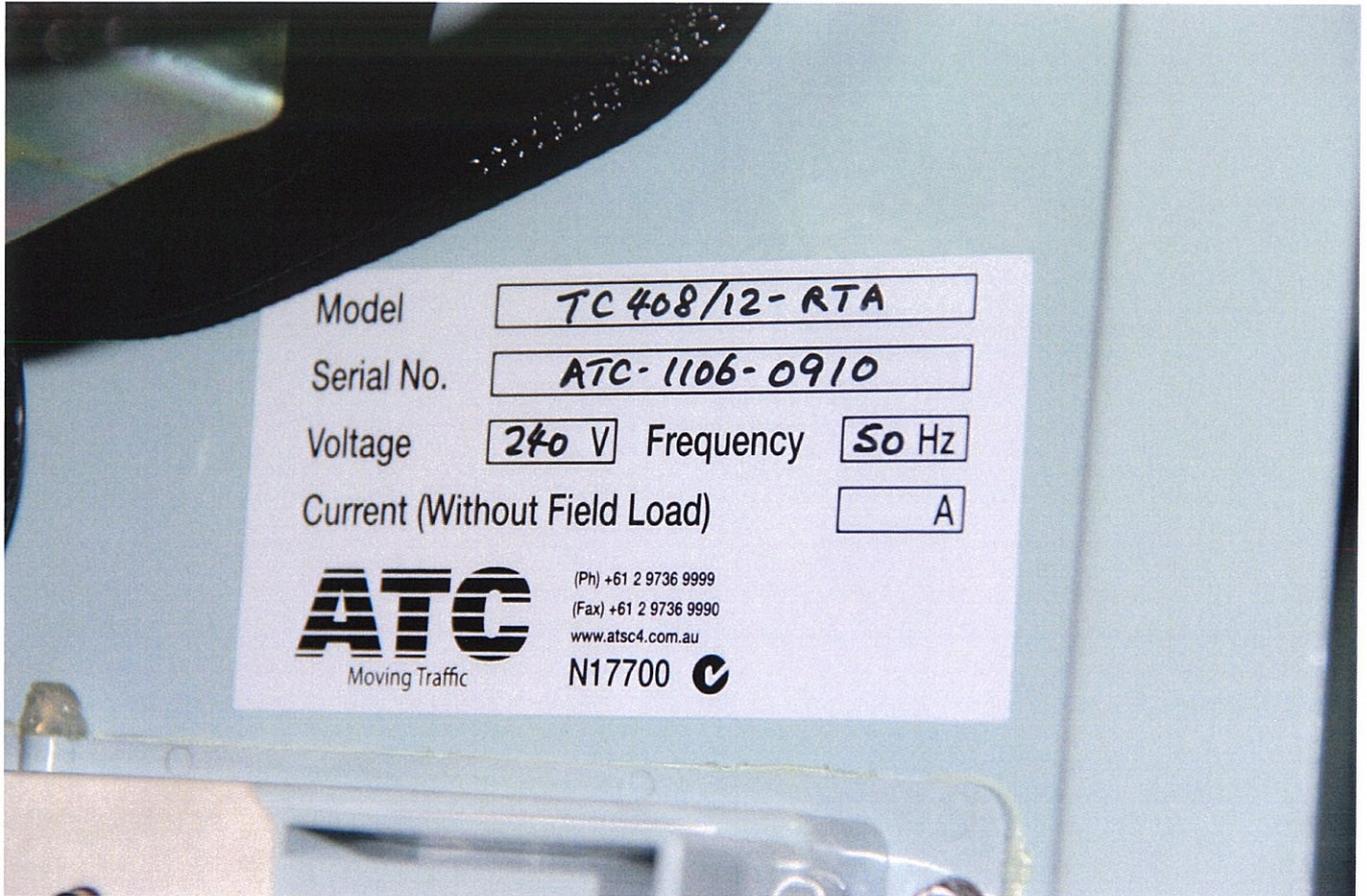
M. A Carstedt
NATA Signatory

25205-9775

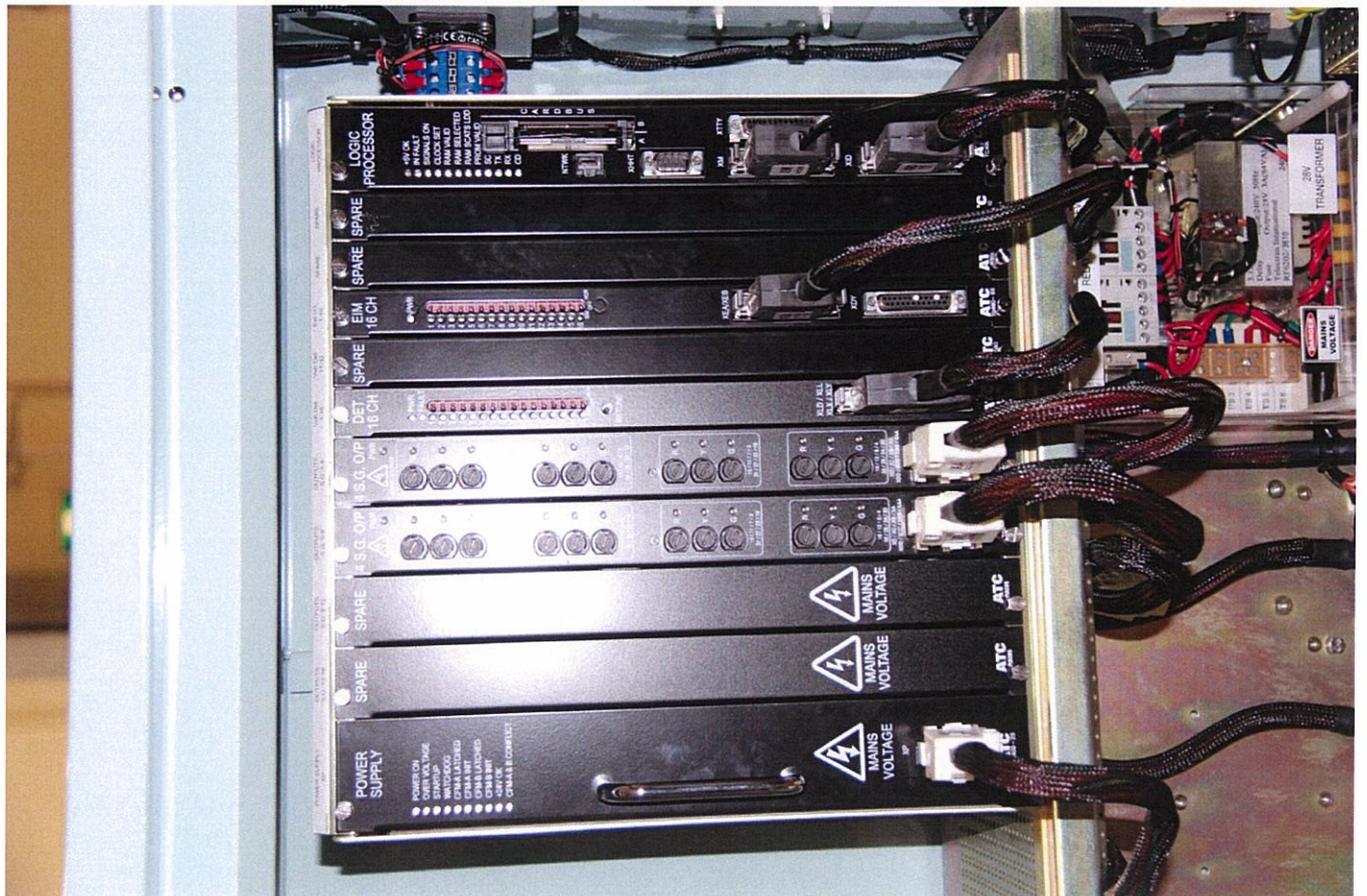


25205-9770





25205-9781



25205-9787