

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation Supplementary Certificate of Approval No S397

Issued by the Chief Metrologist under Regulation 60 of the National Measurement Regulations 1999

This is to certify that the approval for use for trade granted in respect of the

Radiant Model FuelPOS Control System for Fuel Dispensers for Motor Vehicles

submitted by

Radiant Systems Asia Pacific Pty Ltd 44-46 Little Ryrie Street Geelong VIC 3220

has been cancelled in respect of new instruments as from 1 October 2007.

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999.*

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National Standards Commission

12 Lyonpark Road, North Ryde NSW

Supplementary Certificate of Approval

No S397

Issued under Regulation 60 of the National Measurement Regulations 1999

This is to certify that an approval for use for trade has been granted in respect of the

Radiant Model FuelPOS Control System for Fuel Dispensers for Motor Vehicles

submitted by Radiant Systems Asia Pacific Pty Ltd 44-46 Little Ryrie Street Geelong VIC 3220.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

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CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 January 2007, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S397 and only by persons authorised by the submittor.

Instruments incorporating a control system purporting to comply with this approval shall be marked NSC No S397 in addition to the approval number of the instrument.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document NSC P 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

DESCRIPTIVE ADVICE

Pattern: approved 13 December 2001

• A Radiant model FuelPOS control system for use with compatible Commissionapproved fuel dispensers for motor vehicles.

Technical Schedule No S397 describes the pattern.

Variant: approved 17 January 2003

1. With a Radiant model SRV control system.

Technical Schedule No S397 Variation No 1 describes variant 1.

FILING ADVICE

Supplementary Certificate of Approval No S397 dated 15 March 2002 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Supplementary Certificate of Approval No S397 dated 8 April 2003 Technical Schedule No S397 dated 15 March 2002 (incl. Test Procedure) Technical Schedule No S397 Variation No 1 dated 8 April 2003 Figures 1 and 3 dated 15 March 2002 Figure 4 dated 8 April 2003

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.

sfeb

TECHNICAL SCHEDULE No S397

Pattern: Radiant Model FuelPOS Control System for Fuel Dispensers for Motor Vehicles.

Submittor: Radiant Systems Asia Pacific Pty Ltd 44-46 Little Ryrie Street Geelong VIC 3220.

1. Description of Pattern

The pattern is a Radiant model FuelPOS control system to provide an attended selfservice facility for compatible Commission-approved fuel dispensers for motor vehicles. The system (Figure 1) includes at least the Radiant model FuelPOS console, a Postec model PCC4 controller and a Postec model PIPI intelligent purchaser indicator (Figure 2).

1.1 Field of Operation

- The Radiant FuelPOS control console is approved for environment class A, i.e. in a climate-controlled environment between 5°C and 30°C.
- The Radiant FuelPOS control console and the Postec PCC4 controller can provide a self-serve arrangement for up to 27 Commission-approved fuel dispensers incorporating a Compac model C4000 calculator/indicator or any other compatible Commission-approved fuel dispensers provided no modification/addition of hardware/software is required to the system.
- Allows up to two transactions per meter/nozzle, i.e. current sale plus one stored transaction in memory.

1.2 System Components

- (i) One or more Radiant FuelPOS control consoles comprising an IBM compatible computer, with Breeze FuelPOS version 3.01.09 point of sale software operating under Microsoft Windows® environment. The software requires the use of a keyboard and a computer mouse, or a touch screen visual display unit.
- (ii) A Postec PCC4 communications controller, to provide interface and data acquisition between the fuel dispensers and the control console(s), and a Postec PIPI purchaser indicator. The Postec components are described in the documentation of NSC approval No S398.
- (iii) Optional components as listed below:
 - An additional purchaser indicator, e.g. a Siemens Nixdorf model M233-D9 (Figure 2) or similar.
 - An Epson model M129B ticket printer or similar to provide a receipt for the purchaser. Figure 3 shows typical receipts.

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- A Symbol® barcode scanner or similar.
- One or more type SOLA UPS or similar uninterruptible power supply units.

1.3 Functions

- (i) Authorises compatible fuel dispensers for attended self-serve, post-pay operation.
- (ii) Performs unit price change.
- (iii) Allows up to two transactions per meter/nozzle.
- (iv) Displays the following status for each fuel dispenser (represented on the screen in the form of a 'button'):
 - A question mark is displayed when a fuel dispenser is waiting for authorisation.
 - A tick is displayed when a fuel dispenser is authorised.
 - During the delivery the grade of fuel and price is displayed.
 - The grade of fuel and price displayed turn green when the nozzle is hung-up.
 - Stored transaction is displayed at the top right corner of the button.
 - Displays price change when initiated.
- (v) Pump stop and emergency stop functions.
- (vi) During power failure the stored transactions can be recalled using the Postec model PIPI intelligent purchaser indicator

1.4 Verification provision

The Radiant FuelPOS control console, the Postec PCC4 controller and the Postec PIPI indicator each have provision for a certification/verification mark to be applied.

1.5 Markings

The Radiant FuelPOS control console is marked with the following data, together in one location:

Manufacturer's name or mark	
Model number	
Serial number	
NSC approval number	S397
Environmental class:	
Radiant FuelPOS control console	А

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TEST PROCEDURE

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instrument to which the pattern is connected, as appropriate.

The following tests are required to be performed at initial verification/certification of the attended self-serve system or whenever a fuel dispenser or the calculator/indicator is changed.

- 1 (a) Disconnect the Postec PIPI indicator and check that it is not possible to authorise a dispenser for a second delivery by storing the first delivery into memory.
 - (b) Re-connect the PIPI indicator and carry out a second delivery. Check that current and stored transactions are identified correctly.
- 2. Attempt to change the unit-price for a dispenser that has a delivery in progress or has an uncompleted transaction. Check that the new unit price is not implemented until the transaction has been completed.
- 3. Check that the software version number is 3.01.09. The version number can be viewed from the Radiant FuelPOS control console sales screen by the following:
 - (a) Select the 'Menu' button.
 - (b) Select the 'Miscellaneous' button.
 - (c) Select the 'Apply Settings' button.
 - (d) Select the 'OK' button.

The software version number will be displayed in the centre bottom of the screen.

- 4. Check that the control console and the customer display unit identify and display the correct data for the corresponding pump number allocated to the fuel dispenser.
- 5. For systems with a printer, check that the printed receipt contains the correct format and data as per the typical samples in Figure 3.

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VARIATION No 1

Pattern: Radiant Model FuelPOS Control System for Fuel Dispensers for Motor Vehicles

Submittor: Radiant Systems Asia Pacific Pty Ltd 44-46 Little Ryrie Street Geelong VIC 3220

1. Description of Variant 1

A Radiant model SRV control system using SRV version 5.5 point of sale (POS) software designed to operate on the DOS type computer environment. The POS is designed to control up to 60 compatible (#) Commission-approved fuel dispensers for post-payment or stored transaction mode of operation via one or more IBM-compatible computer(s) interfaced to the Postec model PCC4 controller and at least one Postec model PIPI intelligent purchaser indicator (Figure 4).

(#) "Compatible" is defined to mean that no additions/changes to hardware/software are required for satisfactory operation of the complete system.

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FIGURE S397 - 1

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Radiant FuelPOS Control Console

Postec PCC4 Controller and Postec PIPI Purchaser Indicator



Siemans Nixdorf Purchaser Indicator



Symbol Scanner





System Components

FIGURE S397 - 2

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FIGURE S397 - 3

Radiant Systems FuelPDS Service Station ACN:006 967 175 44-46 Little Ryrie Street Geelong 03 5225 5000 ABN:88 888 888 022 TAX INVOICE Sale :19 17/04/01 14:41 POS1 001 GPump 3 UNLEADE 12.35L x \$/L0.729 \$9.00 G MILKSHAKE \$2.75 TOTAL \$11.75 Cash \$20.00 CHANGE \$8.25 GST Included In Total \$1.06 Item Count : 2 Open 7 days from 6.00am to 10.00pm G Indicates items that include GST Radiant Systems FuelPOS Service Station ACN:006 967 175 44-46 Little Ryrie Street Geelong 03 5225 5000 ABN:88 888 888 022 TAX INVOICE Sale :20 17/04/01 14:41 POS1 001 GPump 6 PULP 12.35L x \$/L0.729 \$9.00 TOTAL \$9.00 Cash \$10.00 CHANGE \$1.00 GST Included In Total \$0.81 Item Count : 1 Open 7 days from 6.00am to 10.00pm G Indicates items that include GST

Sample Receipts

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FIGURE S397 - 4



A Radiant Model SRV Control System