



1 **EC - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

- 3 EC - Type Examination Certificate Number: **Baseefa03ATEX0683X**
- 4 Equipment or Protective System: **C4000 Fuel Dispenser Control Unit**
- 5 Manufacturer: **Compac Industries Limited**
- 6 Address: **52 Walls Road, PO Box 12417, Penrose, Auckland 1135, New Zealand.**

7 This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **02(C)0361**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN50014 :1997 + A1 & A2 EN50020 :2002**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

**⊕ II 2G EEx ib IIA T3 (-25°C ≤ Ta ≤ +80°C) (CWIT Aerial only:- ⊕ II 1G EEx ia IIA T3)**

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. 5033

Project File No. 02/0361

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa (2001) Ltd.**

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R S SINCLAIR  
DIRECTOR  
On behalf of  
Baseefa (2001) Ltd.



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## Schedule

14

Certificate Number Baseefa03ATEX0683X

### 15 Description of Equipment or Protective System

The C4000 Fuel Dispenser Control Unit is designed to be mounted in a hazardous area within a Fuel Dispenser Housing and provides the measurement and correction functions required for a number of different fuels including Compressed Natural Gas, Liquid Petroleum Gas, Diesel, Aviation Fuel and Petrol. The quantity of fuel measured is shown on a display. Various optical or magnetic encoders detect the output from a positive displacement metering unit or a KG Corrolis metering unit gives an output proportional to the mass flow of fuel. Parameters such as the temperature and pressure of the fuel are monitored and these parameters are passed to a microprocessor unit for correction before the quantity is displayed. This Fuel Dispenser Control Unit is designed to be supplied from a **C4000 Power Supply Unit p.c.b. CI138 & CI139 Certificate Number Baseefa03ATEX0684X** which provides the essential voltage and current levels and power limitation necessary for the safe operation of the meter.

The C4000 Fuel Dispenser Control Unit comprises an overall assembly of equipment housed within a number of separate inner enclosures but all mounted within the same dispenser. The Microprocessor Unit CI140 is central to the Fuel Dispenser Control Unit and various optional separate printed circuit boards in their own separate enclosures are added to the Fuel Dispenser Control Unit depending upon the functions required.

The equipment which may be considered within the C4000 Fuel Dispenser Control Unit Certificate:-

#### 1. Microprocessor Unit CI140

#### 2. CNG/LPG Temperature and Pressure Board CI075

#### 3. Either:- two KG Meters CI158 & CI159

##### 3.1 KG Meter 1

##### 3.2 KG Meter 2

Or:- any number of encoders:- 3.3 COM50+Encoder CI163, 3.4 COM125+Encoder CI162, 3.5 COM250+Encoder CI162 and 3.6 Optical Encoder CI111

#### 4. CWIT Board CI101 Connected to the CWIT Aerial

#### 5. Either:- 5.1.1 Generic Display CI170 Connected to the 5.1.2 Six Key Preset Board CI171

Or:- 5.2 Commercial Display CI172

#### 6. AP324 Magtek Card Key Reader

#### 7. Peripheral equipment:- 7.1 Totaliser P2G729A and 7.2 Buzzer OBO35C2

#### 8. Simple Apparatus:- Nozzle Switches

##### Hi / Lo Switch

##### Parameter On / Off Switch

**Air Detector / Sump Switch Herga 6863** (Common with another C4000 Fuel Dispenser Control Unit within the same appliance)

##### **Thermistors KTY83-121 and Pressure Transducers KPY-59A**

Where external third party pulsers are used, the signals are passed to the Microprocessor Unit CI140 via a **Dual Channel Isolator - (Micromotion) CI059, Baseefa04ATEX0006** Coded [EEx ib] IIA



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### 15.1 The Microprocessor Unit CI140

The Microprocessor Unit comprises a single printed circuit board which has a mixture of surface mounted and discrete components, two p.c.b. connectors for the PSU J2A and J2B and a number of other connectors are mounted on the p.c.b. for connection to other peripheral equipment. The printed circuit board is mounted on insulating pillars within a sheet metal outer enclosure (AP304) which provides a degree of protection of at least IP20.

Supply Connections from the **C4000 Power Supply Unit p.c.b. CI139 Certificate Number Baseefa03ATEX0684X** within the same Dispenser

CI140 J2A 17 POK  
(POK)  $U_i = 5.94V$   $I_i = 0.415mA$   $P_i = 0.513mW$  (Used Internally)

CI140 J2A 7-16  
(TI0 to TI9)  $U_i = 3.505V$   $I_i = 3.54mA$   $P_i = 3.12mW$  (Used Internally)

CI140 J2B 7 Vcc  
(Back to PSU CI139 / CI143 from CI140)  $U_o = 5.4V$   $I_o = 198mA$   $P_o = 0.99W$

CI140 J2B 5 RXD (from CI139:J5 1) (connects Internally to CI140 J1 2 RXD Comms - but N/C)  
 $U_i = 5.4V$   $I_i = 4mA$   $P_i = 6mW$

CI140 J2B 6 TXD (from CI139:J5 2) (connects Internally to CI140 J1 1 TXD Comms - but N/C)  
 $U_i = 5.4V$   $I_i = 11mA$   $P_i = 15mW$

CI140 J2A 3&4 VP (PERIPH)  
 $U_i = 16.3V$   $I_i = 1.91A$  -Linear output  $P_i = 7.77W$

CI140 J2A 21&22 VL (MICRO)  
 $U_i = 16.3V$   $I_i = 1.16A$  Transient  $I_i = 0.185A$  Long Term  $P_i = 2.86W$  (Used Internally & Vcc)  $C_i = 5.3\mu F$   $L_i = 0$

The **Microprocessor Unit CI140** Connects to other equipment 15.2 to 15.8 within the same Dispenser and to a **Dual Channel Isolator - (Micromotion) CI059, Baseefa04ATEX0006**, mounted externally.

CI140 J3 5 & J4 1 (connected to Dual Channel Isolator CI059 J3 3&1)  
(Vcc)  $U_o = 5.4V$   $I_o = 198mA$   $P_o = 0.99W$  (to optocouplers)

CI140 J3 6 - J4 6 (connected to Dual Channel Isolator CI059 J3 2&4)  
(Vcc)  $U_i = 5.4V$   $I_i = 198mA$   $P_i = 0.99W$  (from optocouplers)

### 15.2 CNG/LPG Temperature and Pressure Board CI075 -CI075:CON5 Connected to CI140:J8

The CNG/LPG Temperature and Pressure Board CI075 comprises up to two external thermistors KTY83-121 (CI075:CON1 and CI075:CON2) and up to two external pressure sensors KPY-59A (CI075:CON3 and CI075:CON4), associated resistors, capacitors, an inductor, integrated circuits, diodes and zener diodes. Each of the thermistors and pressure sensors takes its supply from Vcc derived from the microprocessor board and the temperature and the pressure signals are monitored and conditioned by the circuit components. A Local link is fitted to CI075:CON5 Pins 1 & 2

The Temperature and Pressure Board CI075 is housed within a plastic enclosure which provides a degree of protection of at least IP20, provides 500V isolation from earth. The thermistors & pressure sensors have integral leads, are provided with a degree of protection of at least IP20 and provide 500V isolation from earth.



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### 15.3 Quantity Measurement Sensors

Either:- Up to two KG Meter CI158 & CI159

#### 15.3.1 KG Meter 1 CI158 & CI159

CI158 - CI158:CON 1 Connected to CI140:J3

CI159 - CI159:CON 1 Connected to CI140:J9

#### 15.3.2 KG Meter 2 CI158 & CI159

CI158 - CI158:CON 1 Connected to CI140:J4

CI159 - CI159:CON 1 Connected to CI140:J9

The metering of fuel by mass is achieved by either one or two coriolis KG Meters. Each KG Meter comprises two p.c.b.s CI158 and CI159 connected to the Micro Processor Board. The first KG Meter is connected to Micro Processor Board CI140:J3 pins1-6 & 8 and CI140:J9 pins11, 13, 15 & 17 the other KG Meter is connected to Micro Processor Board CI140:J4 pins1-6 & 8 and CI140:J9 pins12, 14, 16 & 18.

Within the KG Meter, printed circuit board CI158 is connected to three coriolis sensing coils. Three cores move into or out of these coils, proportional to the mass flow of fuel through two loops of process pipe work. Printed circuit board CI159 is the Power Supply pcb and is connected to Micro Processor Board CI140:J9 via CI159:CON1 Pins 1 - 3. Pin 3 and is diode blocked at the input to prevent interaction between the two units.

The two printed circuit boards contain a mixture of discrete and surface mounted components and the units have an integral cable. The units are capable of meeting the 500V test to earth or frame and meet the requirements for IP20 with a metallic outer enclosure.

Or:- any number of encoders:-

15.3.3 COM50 with Encoder CI163 - Connected to Microprocessor Board CI140-J3-J6

15.3.4 COM125 with Encoder CI162 - Connected to Microprocessor Board CI140- J3-J6

15.3.5 COM250 with Encoder CI162 - Connected to Microprocessor Board CI140-J3-J6

Each of the Encoders CI162 & CI163 comprises a mechanical assembly of differing diameters containing a magnetic pole piece on a rotor attached to a positive displacement measuring system, and has an integral cable. In a separate chamber three Hall Effect sensors mounted on a printed circuit board pick up measurement data from the magnetic pole piece. This data is conditioned and is passed to the micro processor board. Each printed circuit board contains surface mounted capacitors, a zener diode, resistors a transistor and the three Hall Effect sensors and derives the circuit power from Vcc within the micro processor board. Each encoder is capable of meeting the 500V test to earth or frame and meets the requirements for IP20.

15.3.6 Optical Encoder CI111 - Connected to Micro Processor Board CI140-J3-J6

The Optical Encoder CI111 comprises a mechanical assembly containing a segmented disc on a rotor attached to a positive displacement measuring system and has an integral cable. The vanes pass between three LED / photo transistor pickups which pass measurement data to the micro processor board. Each printed circuit board contains discrete capacitors, three LED / photo transistor pickups and resistors and derives the circuit power from Vcc within the micro processor board. The encoder is capable of meeting the 500V test to earth or frame and meets the requirements for IP20.

### 15.4 Wireless Interface

15.4.1 CWIT Board CI101 - CI101:CON5 Connected to CI140:J13

The C4000 CWIT p.c.b. CI101 is designed to be mounted in a hazardous area. Connectors CI101:CON5 pins1-3 & 5-8 may be connected to the Microprocessor Unit C140:J13 pins 1 to 9 and the circuit, and it's associated CWIT Aerial, provides a wireless data interface for the C4000 Fuel Dispenser Control Unit.



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The C4000 CWIT p.c.b. CI101 comprises a single printed circuit board which has a mixture of surface mounted and discrete components, six p.c.b. connectors, CI101:CON5 for the Microprocessor Unit C140-J13 and CI101:CON2 / CI101:CON9 for the CWIT Aerial connection. The other connectors CI101:CON1, CI101:CON3, CI101:CON4 and CI101:CON6 are not to be used for hazardous area applications. The printed circuit board is mounted within an outer plastic enclosure which provides a degree of protection of at least IP20.

**CWIT Board CI101 is coded Ⓢ II 2 (1) G EEx ib [ia] IIA T3.**

#### 15.4.2 CWIT Aerial

Either CI101:CON 2 or CI101:CON 9 may be connected to the CWIT Aerial which is a single coil antenna wound on a nylon former. It is provided with a degree of protection of at least IP20 and can withstand a 500V test to earth.

**The CWIT Aerial may be mounted in an area requiring the use of Cat 1 equipment and is coded Ⓢ II 1 G EEx ia IIA T3.**

#### 15.5 Display

**Either:- 15.5.1.1 Generic Display CI170 - CI170:CON 1 & CON 2 Connected to CI140-J7, J12, J10, J11 & J17**

The Generic Display CI170 is designed to be mounted in a hazardous area and comprises a number of LCD displays, the LCD driver integrated circuits, capacitors, resistors, LEDs and semiconductors. The LCD displays are back lit with LEDs and fibre optic mats. The display derives the circuit power from VDSP within the microprocessor board.

Connections may be made to Nozzle Switches, CI170:CON6, Totalisers, CI170:CON3, CI170:CON4 & CI170:CON5, the CI171 Six Key Preset Board CI170:CON8, Buzzer CI170:CON9 and backlighting CI170:CON10 & CI170:CON12 five LEDs.

In some installations more than one Generic Display CI170 may be installed. In this instance the output from the first Generic Display CI170, CI170:CON7 and CI170:CON10 are connected, using a loop cable, to the input of the second Generic Display CI170, CI170:CON7 and CI170:CON10.

**15.5.1.2 With Optional Six Key Preset Board CI171 - Connected to Generic Display CI170:CON8**

The Six Key Preset Board CI171 forms part of the display circuit and is supplied from the CI140 Microprocessor p.c.b. via the Generic Display CI170:CON8 at CI171:CON1 Pins 1, 3 & 5. The circuit comprises six capacitive sensor keys, surface mount capacitors and resistors, integrated circuits and semi conductor components mounted on a printed circuit board. The Six Key Preset Board CI171 may be mounted directly above the Generic Display CI170 board within the same enclosure which will provide a degree of protection of IP20.

**Or:- 15.5.2 Commercial Display CI172 CI172:CON2 & CON5 - Connected to CI140-J7, J12 & J17**

The Commercial Display CI172:CON2 is connected to the Microprocessor p.c.b. which supplies the power, and the data connections to the display. The display comprises a number of LCD displays, the LCD driver integrated circuits, surface mounted capacitors and resistors, LEDs and semiconductors. The LCD displays are back lit with LEDs and fibre optic mats.

CI172:CON2 Pins 1, 2 & 8 are the main power supply connections.

In some installations more than one display may be installed and connector CI172:CON1 is provided for looping to the next display.

Connections may be made to the Totaliser, CI172:CON3, Backlighting CI172:CON4 & CI172:CON5, Buzzer CI172:CON6.



**15.6 AP324 Magtek Card Key Reader** - Connected to CI140:J15 & CI140:J16

Either one or two Magtek Card Key Readers may be connected to the Microprocessor CI140:J15 or J16. This assembly does not meet the requirements for IP20, therefore must be mounted within a suitable external enclosure which provides this protection to the rear of the unit. The receptacle for inserting a card may be external to this enclosure. The unit must be segregated from other IS and non IS circuits and mounted such that it is capable of meeting a 500V test to earth. The Magtek Card Key Reader consists of one or two inductive heads, which read magnetic data from an external card and interprets this using two integrated circuits. The electronic circuit components are mounted on a printed circuit board.

**15.7 Peripheral equipment:-**

**15.7.1 Totaliser P2G729A** Connected to CI140-J10 or CI170 CON6 or CI172 CON3

The Totaliser is an electromechanical device comprising a solenoid coil with an armature which actuates a mechanical counter mechanism. Up to four totalisers are connected to the Microprocessor Unit CI140. Each totaliser is contained within a plastic enclosure which provides a degree of protection of at least IP20, provides 500V isolation from earth and is provided with two leads (and screen) which are connected to the Microprocessor Unit CI140.

**15.7.2 Buzzer OBO35C2** Connected to CI140-J11 or CI170 CON9 or CI172 CON6

The buzzer is a piezo crystal device and is contained within a plastic enclosure which provides a degree of protection of at least IP20, provides 500V isolation from earth and is provided with two leads which are connected to the Microprocessor Unit CI140.

**15.8 Simple Apparatus:-** Connected to Micro Processor Board CI140-J12, CI140-J11 or CI075:CON1-4

Various switches, temperature sensors and pressure sensors are connected to the Microprocessor Unit CI140 to detect the state of external equipment. These are provided with a degree of protection of at least IP20 and provide 500V isolation from earth, therefore are considered to meet the requirements of Simple Apparatus and are not considered further. This covers the Nozzle Switches, Hi / Lo Switches, Parameter On / Off Switches, Peripheral switch, Air Detector / Sump Switches Herga 6863, temperature sensors and pressure sensors.

**16 Report Number**

02(C)0361

**17 Special Conditions for Safe Use**

1. The Micro Processor Board CI140 must be supplied from C4000 Power Supply Unit p.c.b. CI138 & CI139 Certificate Number Baseefa03ATEX0684X, mounted either in the safe area or provided with suitable protection for an area requiring Category 2 protection.

2. The Micro Processor Board CI140 must be connected to a Two Channel Isolator - (Micromotion) CI059 (SW052-01) Certificate Number Baseefa04ATEX0006, mounted either in the safe area or provided with suitable protection for an area requiring Category 2 protection.

**18 Essential Health and Safety Requirements**

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.



**19 Drawings and Documents**

Number	Sheet	Issue	Date	Description
Microprocessor CI140				
CI140	1	E	19/03/2004	Circuit Diagram
CI140	2	E	05/02/2004	Circuit Diagram
CI140	3	E	05/02/2004	Component Layout
CI140	4	E	05/02/2004	Track Top Layer
CI140	5	E	05/02/2004	Track Mid Layer
CI140	6	E	05/02/2004	Track Mid 1 Internal 1 Layer
CI140	7	E	05/02/2004	Track Mid 2 Internal 2 Layer
CI140	8	E	05/02/2004	Track Mid 2 Layer
CI140	9	E	05/02/2004	Track Bottom Layer
CI140P	1 to 4	E	20/03/2004	Parts List
Temperature Pressure pcb CI075				
CI075	1	C	13/03/2003	Circuit Diagram
CI075	2	B	14/03/2003	Component Layout
CI075	3	B	14/03/2003	Track Top Layer
CI075	4	B	14/03/2003	Track Bottom Layer
CI075P	1	C	19/03/2003	Parts List
KG Meter CI158 & CI159				
CI158	1	E	16/01/2003	Circuit Diagram
CI158	2	E	17/01/2003	Component Layout
CI158	3	E	17/01/2003	Track Top Layer
CI158	4	E	17/01/2003	Track Bottom Layer
CI158P	1 & 2	E	05/05/2003	Parts List
CI159	1	D	14/01/2003	Circuit Diagram
CI159	2	D	17/01/2003	Component Layout
CI159	3	D	17/01/2003	Track Top Layer
CI159	4	D	17/01/2003	Track Bottom Layer
CI159P	1 to 3	D	05/05/2003	Parts List
CI165	1	A	19/03/2004	CNG Splitter pcb
Encoder CI162 & CI163				
CI162	1	B	20/01/2003	Circuit Diagram
CI162	2	B	20/01/2003	Component Layout
CI162	3	B	20/01/2003	Track Top Layer
CI162	4	B	20/01/2003	Track Bottom Layer
CI162P	1	B	05/05/2003	Parts List
CI163	1	C	20/01/2003	Circuit Diagram
CI163	2	C	20/01/2003	Component Layout
CI163	3	C	20/01/2003	Track Top Layer
CI163	4	C	20/01/2003	Track Bottom Layer
CI163P	1	C	05/05/2003	Parts List
Optical Encoder CI111				
CI111	1	B	08/05/2003	Circuit Diagram
CI111	2	B	08/05/2003	Component Layout
CI111	3	B	08/05/2003	Track Top Layer
CI111	4	B	08/05/2003	Track Bottom Layer
CI111P	1	B	07/05/2003	Parts List
CWIT CI101				
CI101-1	1	E	15/11/2002	Circuit Diagram



Number	Sheet	Issue	Date	Description
CI101-2	2	E	15/11/2002	Circuit Diagram
CI101E	3	E	11/12/2002	Track Top Layer
CI101E	4	E	11/12/2002	Track Bottom Layer
CI101E	5	E	11/12/2002	Component Layout
CI101P	1 to 4	E	18/02/2004	Parts List
Generic Display CI170				
CI170	1	B	16/09/2003	Circuit Diagram
CI170	2	B	16/09/2003	Component Layout Top
CI170	3	B	16/09/2003	Track Top Layer
CI170	4	B	16/09/2003	Track Bottom Layer
CI170	5	B	16/09/2003	Component Layout Bottom
CI170P	1 & 2	B	12/05/2003	Parts List
6 Key Preset CI171				
CI171	1	B	28/03/2003	Circuit Diagram
CI171	2	A	13/05/2003	Component Layout
CI171	3	A	13/05/2003	Track Top Layer
CI171	4	A	13/05/2003	Track Bottom Layer
CI171P	1	B	16/06/2003	Parts List
Commercial Display CI172				
CI172	1	B	15/09/2003	Circuit Diagram
CI172	2	B	15/09/2003	Track Top Layer
CI172	3	B	15/09/2003	Track Bottom Layer
CI172	4	B	15/09/2003	Component Layout Top
CI172	5	B	15/09/2003	Component Layout Bottom
CI172	6	B	15/09/2003	All layers
CI172P	1 & 2	B	08/07/2003	Parts List
Overview C4000 Fuel Dispenser Control Unit				
AP300	1	L	19/03/2004	C4000 Block Diagram
AP300	3	L	19/03/2004	C4000 Block Diagram
Interconnecting Cables				
AP301	1	L	19/03/2004	p.c.b. Connections Non IS CI138 to IS CI139
AP301	2	L	19/03/2004	Cable Connections IS CI139 to $\mu$ P CI140
AP301	3	L	19/03/2004	Cable Cons IS CI139 to $\mu$ P CI140 With RS232 Option
AP301	4	L	19/03/2004	p.c.b. Connections IS CI139 to CI157 and CI143
AP301	5	L	19/03/2004	Cable Connections $\mu$ P CI140 to CWIT CI101
AP301	6	L	19/03/2004	Cable Connections $\mu$ P CI140 to CI075
AP301	7	L	19/03/2004	Cable Connections to 1 or 2 Generic Displays
AP301	8	L	19/03/2004	Cable Cons for Generic Displays Options
AP301	9	L	19/03/2004	Cable Cons from $\mu$ P CI140 to Display - Single Hose
AP301	10	L	19/03/2004	Cable Cons from $\mu$ P CI140 to Generic Display Chan 0
AP301	11	L	19/03/2004	Cable Cons from $\mu$ P CI140 to Generic Display Chan 2
AP301	12	L	19/03/2004	Commercial Display Loop Cable
AP301	13	L	19/03/2004	Cable Cons from $\mu$ P CI140 - Commercial Display -Double
AP301	14	L	19/03/2004	Cable Connections to Non IS CI138
AP301	15	L	19/03/2004	High Current Cable Connections to Non IS CI138
AP301	16	L	19/03/2004	Lo Current Relay Cable Connections to Non IS CI138
AP301	17	L	19/03/2004	Cable Connections to Non IS CI138 and CI140/CI059
AP301	18	L	19/03/2004	Cable Connections to Non IS CI138 and CI140/CI158&9



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<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
AP327	1	A	19/03/2004	Totaliser, Buzzer OBO35C2, Switches
AP324	1	A	03/03/2004	Card / Key Reader
AP325	1&2	A	10/03/2004	Card / Key Reader Mods and Certification Label
Enclosures				
SW052	2	A	10/04/2003	CI075 Pressure Temperature
SW052	3	A	10/04/2003	CI101 CWIT
SW052	6	A	14/04/2003	CI158 & CI159 KG Meter
SW052	7	A	10/04/2003	CI163 / CI162 Encoders COM50 (Similar to 125 250)
SW052	9	A	10/04/2003	CI111 Optical Encoder
SW052	10	A	10/04/2003	CI170 Generic Display (CI171 Six Key Preset)
SW052	11	A	10/04/2003	CI170 Generic Display (CI171 Six Key Preset)
SW052	12	A	10/04/2003	CI170 Generic Display (CI171 Six Key Preset)
SW052	14	A	17/04/2003	CI140 Micro Processor
Certification Labels				
AP326	1-7	A	18/03/2004	Certification Labels