



1 **TYPE EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 Certificate Number: **Sira 05ATEX4046X** Issue: **10**

4 Equipment: **Model W40135 Flow Computer and
W40203 Foundation Fieldbus Controller Assembly**

5 Applicant: **Bristol, Inc. dba Remote Automation Solutions**

6 Address: **1100 Buckingham Street (For other manufacturing sites,
Watertown see certificate schedule)
Connecticut 06795
USA**

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

8 CSA Group Netherlands B.V. certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design of Category 3 equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012 EN 60079-15:2010

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.

11 This Type Examination Certificate relates only to the design of the specified equipment, and not to specific items of equipment subsequently manufactured. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:



II 3 G
Ex nA IIC T4 Gc
T_a = -40°C to +75°C

Project Number 80082684

Signed: J A May

Title: Director of Operations

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13 DESCRIPTION OF EQUIPMENT

The Model W40135 Flow Computer is a microprocessor-based controller that provides the functions required for a variety of field automation applications. The controller is used for applications requiring general logic and sequencing control, historical data archiving, multiple communication ports, PID control and flow measurements on up to twelve meter runs.

The unit consists of the main enclosure containing a fixed backplane (there are three options) and with an integral card-cage that can accommodate:

- 1 A Power Supply Module
- 2 Up to 27 I/O and Communications Cards
- 3 W48071 CPU or W48093 Series 2 CPU & W28142 License Key
- 4 W48088 Foundation Fieldbus Interface CPU

All the cards communicate with each other on a common SPI bus. Empty slots are covered by blanks secured to the enclosure with screws and moulded from the same material as the enclosure.

The three possible backplanes are:

- 1 W48072 ROC 809 Backplane
- 3 W48090 ROC 827 Backplane, Series 2
- 4 W48091 ROC 827 Expansion Backplane, Series 2

The unit has a number of power module options:

- 1 Nominal 12 Vdc Input Module (W38185 PS-DC-12)
- 2 Nominal 24 Vdc Input Module (W38245 PS-DC-24)
- 3 nominal 30 Vdc input module (W38372 PS-DC-30)

The unit has the following i/o module options:

- 1 W38191 5-Point Relay Output Module (DO-R)
- 2 W38193 5-Point Digital Output Module (DO)
- 3 W38195 8-Point Digital Input Module (DI)
- 4 W38197 16-Bit Pulse Input Module (PI)
- 5 W38201 12-Bit Quad Analog Input Module (AI-12)
- 6 W38205 2-Point 16-Bit RTD Input Module (RTD)
- 7 W38269 AO High
- 8 W38257X0022 APM
- 9 W38272 APM Daughter Board
- 10 W38304 MVS I/O Module
- 11 W48089 AC I/O Module
- 12 W48094 16 Bit Quad analogue Input Module
- 13 W48097 Hart Module
- 14 W28161X0022 FF H1 Power Module
- 15 W28161X0022 FF H1 Power Module
- 16 W38366 Thermocouple Personality Board, Series 2

The unit has the following communication module options:

- 1 W38211 EIA-232 (RS-232C)
- 2 W38213 Dial-Up Modem

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- 3 W38251 Max Stream Radio (900 MHz and 2.4 GHz)
- 4 W38275 Hart Daughter Board
- 5 Smart Wireless
- 6 W48095 MVS I/O Module
- 7 WiHart Module, part number: 397203-01-2.

The enclosure offers a degree of ingress protection in excess of IP20 but is designed to be installed in a suitably-approved housing in the hazardous area.

Other Manufacturing Sites

Micro Motion Inc, 7070 Winchester Circle, Boulder, Colorado, USA.

Fromex S. A. de C. V., A Division of Emerson Process Management, Aveinida Industrias No 6025, Zd 88275 Nueva Laredo, Tamaulipas, Mexico.

Variation 1 - This variation introduced the following changes:

- i. A new Smart Wireless option was introduced.
- ii. Text amendments were recognised on GA drawing W40135; these amendments indicate changes to the internal designation.

Variation 2 - This variation introduced the following changes:

- i. The addition of the Series 2 CPU backplane, expansion backplane and CPU module, also, I/O modules AC I/O and MVS I/O were included.
- ii. Modifications of the existing circuit were recognised.
- iii. Minor text changes on drawings were introduced.

Variation 3 - This variation introduced the following changes:

- i. The following items were added to the Model W40135 Flow Computer to form the W40203 Foundation Fieldbus Controller Assembly, the Description of Equipment being amended accordingly:
 - W48088 Foundation Fieldbus Interface CPU
 - W48094 16 Bit Quad Analogue Input Module
 - W48097 Hart Module
 - W28161X0012 FF H1 Module
 - W28161X0022 FF H1 Power Module
 - W48095 MVS I/O Module
- ii. The recognition of minor design changes and the amendment of a condition of certification.

Variation 4 - This variation introduced the following changes:

- i. The inclusion of a new TC, DO Relay, RTD and RS-485 Application Modules for model W40135, as detailed below, the Description of Equipment being amended accordingly:
 - W38366 Thermocouple Personality Board, Series 2
 - W38350 DO Relay Personality Board, Series 2
 - W38351 RTD Input Personality Board, Series 2
 - W48095 I/O Base Board, use with TC, DO Relay and RTD Series 2 Personality Boards
- ii. The existing circuit was modified.
- iii. New drawings were added and minor changes to existing drawings were introduced.

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- iv. The recognition of a change of company name from Fisher Controls, 1612 South 17th Avenue, Marshalltown, Iowa to Bristol Inc., 1100 Buckingham Street, Watertown, Connecticut.

Variation 5 - This variation introduced the following changes:

- i. The addition of a new IEC 62591 WiHart Module, part number: 397203-01-2.
- ii. The recognition of a change of company name from Bristol to Bristol, Inc. dba Remote Automation Solutions.
- iii. The addition of the following manufacturing location, Fromex S. A. de C. V., A Division of Emerson Process Management, Aveinida Industrias No 6025, Zd 88275 Nueva Laredo, Tamaulipas, Mexico.
- iv. A Special Condition for Safe Use was introduced.

Variation 6 - This variation introduced the following changes:

- i. The introduction of a PM30 power supply with a nominal 30 Vdc Input.
- ii. Following appropriate assessment to demonstrate compliance with the requirements of the EN 60079 series of standards, EN 50014:1997 (amendments A1 to A2), and EN 60079-15:2003 were replaced by EN 60079-0:2012 and EN 60079-15:2010, the markings in section 12 were updated accordingly.

Variation 7 - This variation introduced the following changes:

- i. Introduction of modification of W38257 APM and W38272 APM Daughter Board.
- ii. Solar Power Module (W38187 PS-Solar) was removed from Product Description.
- iii. Introduction of WiHart Module, part number: 397203-01-2, the Product Description was amended to call the introduced WiHart Module.
- iv. Condition of Manufacture referencing "marked adjacent to fuse holder" was amended to remove PS-Solar board.

Variation 8 - This variation introduced the following changes:

- i. For naming uniformity "PM-30-Power Module" was renamed "nominal 30 Vdc input module (W38372-PS-DC-30); equipment description was revised to reflect this.
- ii. W38257 APM model number corrected to W38257X0022 AMP; equipment description was revised to reflect this.
- iii. Introduction of W38257X0012 AMP as an Alternative to the W38257X0022 AMP; equipment description was revised to reflect this.
- iv. Models W38350 and W38351 were removed; equipment description was revised to reflect this.
- v. Duplicate of Model W48095 was removed from the equipment description.

Variation 9 - This variation introduced the following changes:

- i. Removal of inactive modules.
- ii. Drawings update for addition of approval information.
- iii. Minor construction changes.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

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14.2 Associated Sira Reports and Certificate History

Issue	Date	Report no.	Comment
0	20 September 2005	R52A12665A	The release of the prime certificate.
1	30 November 2007	R52A17539A	This Issue covers the following changes: <ul style="list-style-type: none">All previously issued certification was rationalised into a single certificate, Issue 1, Issues 0 referenced above is only intended to reflect the history of the previous certification and has not been issued as a document in this format.The introduction of Variation 1.
2	9 December 2008	R52L19259A	The introduction of Variation 2, as a result, the description was revised.
3	25 February 2010	R21055A/00	The introduction of Variation 3.
4	03 February 2012	R25979A/00	The introduction of Variation 4.
5	21 June 2013	R29988A/00	The introduction of Variation 5.
6	22 May 2015	R70029369A	The introduction of Variation 6.
7	27 July 2018	R70190222A	This Issue covers the following changes: <ul style="list-style-type: none">Type Examination Certificate in accordance with 94/9/EC updated to Type Examination Certificate in accordance with Directive 2014/34/EU. <i>(In accordance with Article 41 of Directive 2014/34/EU, Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Variations to such Type Examination Certificates may continue to bear the original certificate number issued prior to 20 April 2016.)</i>The introduction of Variation 7.
8	28 September 2018	R70196913A	The introduction of Variation 8.
9	15 October 2019	0319	Transfer of certificate Sira 05ATEX4046X from Sira Certification Service to CSA Group Netherlands B.V..
10	12 October 2021	R80082684A	The introduction of Variation 9.

15 SPECIFIC CONDITIONS OF USE

- 15.1 The equipment shall be fitted in an IP54 or better enclosure or be installed in an equivalent location. Any enclosure shall be suitably-certified or otherwise approved for the zone of use (zone 2).
- 15.2 The user/installer shall ensure that the rated input voltage is not exceeded in service.
- 15.3 The USB connectors must not be used when the equipment is operated in a hazardous zone.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed reports listed in Section 14.2.

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17 CONDITIONS OF MANUFACTURE

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of CSA Certificates.
- 17.2 Holders of Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.
- 17.3 The information regarding fuse replacement shall be marked adjacent to fuse holder F1 on boards PS-DC.
- 17.4 The following +24/+12 voltage selector jumpers shall be conformally coated to secure them in place:

Jumper #	Board #
J4	AO-16

Jumper #	Board #
J4	AI-12
J3	AI-16 W38203X0012

Jumper #	Board #
J4	PI
J4	AI-16 W48094X0012

Certificate Annexe



Certificate Number: Sira 05ATEX4046X

Equipment: Model W40135 Flow Computer and W40203 Foundation Fieldbus Controller Assembly

Applicant: Bristol, . dba Remote Automation Solutions

Issue 1 The drawings associated with Issue 0 were replaced by those listed in Issue 1

Number	Sheet	Rev.	Date	Description
7FSC1001	1 to 3	F	20 Jul 05	Schematic – DI module
7FSC1002	1 to 2	F	20 Jul 05	Schematic – DO module
7FSC1003	1 to 2	G	20 Jul 05	Schematic – DO-R module
7FSC1004	1 to 3	D1	20 Jul 05	Schematic – AI-12 module
7FSC1019	1 to 6	L4	28 Nov 07	Schematic – CPU module
7FSC1020	1 to 6	J	20 Jul 05	Schematic – ROC 809 backplane
7FSC1024	1 to 4	G1	20 Jul 05	Schematic – AI16 module
7FSC1027	1 to 2	H	20 Jul 05	Schematic – RS485/MVS module
7FSC1028	1 to 2	D1	20 Jul 05	Schematic – PI module
7FSC1029	1 to 4	F	15 Aug 05	Schematic – TC module
7FSC1030	1 to 2	D	20 Jul 05	Schematic – RS-232C module
7FSC1031	1 to 5	H	20 Jul 05	Schematic – RTD module
7FSC1034	1 to 3	E	20 Jul 05	Schematic – dial-up modem module
7FSC1036	1 to 3	H	15 Aug 05	Schematic – 12V power supply module
7FSC1037	1 to 3	E	20 Jul 05	Schematic – solar power supply daughter board
7FSC1044	1 to 3	C1	28 Nov 07	Schematic – solar power supply main board
7FSC1045	1 to 6	E1	28 Nov 07	Schematic – ROC 827 backplane
7FSC1046	1 to 5	D2	28 Nov 07	Schematic – ROC 827 expansion backplane
7FSC1047	1 to 4	D	15 Aug 05	Schematic – AO High module
7FSC1048	1 to 4	G	28 Nov 07	Schematic – HART module
7FSC1050	1 to 3	E	20 Jul 05	Schematic – HART daughter board
7FSC1054	1 to 4	D2	28 Nov 07	Schematic – prover module
7FSC1055	1 to 3	C	28 Nov 07	Schematic – prover daughter board
W28142	1 of 1	B	20 Jul 05	PCB assembly, license key
W28152	1 of 1	A	20 Jul 05	Schematic – 24V power supply module
W28156	1 of 1	2	20 Jul 05	Schematic – max stream radio module
W28160	1 of 1	A	28 Nov 07	Schematic – Smart Wireless interface board
W40135	1 to 2	D	28 Nov 07	General assembly and marking
W40163	1 of 1	A	28 Nov 07	Assembly - Smart Wireless

Issue 2

Number	Sheet	Rev.	Date (Sira Stamp)	Description
7FSC1019	1 to 6	L5	02 Dec 08	Schematic – CPU Module
7FSC1024	1 to 4	G2	02 Dec 08	Schematic – AI16 module
7FSC1029	1 to 4	K1	02 Dec 08	Schematic – TC module
7FSC1048	1 to 4	G2	02 Dec 08	Schematic – HART module
7FSC1050	1 to 3	E2	02 Dec 08	Schematic – HART daughter board
7FSC1055	1 to 3	C1	02 Dec 08	Schematic – Prover daughter board
W40135	1 to 2	F	02 Dec 08	General assembly and marking
W40163	1 of 1	D	02 Dec 08	Assembly – Smart Wireless
W38286	1 to 4	C1	02 Dec 08	Schematic – AC I/O main PCB sub-assembly

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Equipment: Model W40135 Flow Computer and W40203 Foundation Fieldbus Controller Assembly

Applicant: Bristol, . dba Remote Automation Solutions

Number	Sheet	Rev.	Date (Sira Stamp)	Description
W38294	1 to 2	C1	02 Dec 08	Schematic – AC I/O daughter PCB sub-assembly
W38331	1 to 5	D1	02 Dec 08	Schematic – MVS I/O module
7FSC1061	1 to 3	C	02 Dec 08	Schematic – ROC827 backplane, series 2
7FSC1062	1 to 4	B2	02 Dec 08	Schematic – ROC827 expansion backplane, series 2
7FSC1059	1 to 5	E1	02 Dec 08	Schematic – CPU module, series 2

Issue 3

Number	Sheet	Rev.	Date (Sira Stamp)	Description
W40203	1	A	04 Feb 10	Model W40203 FFI certification drawing
W38345	9	D	04 Feb 10	Schematic, FFBUS INT CPU module
W38340	2	A	04 Feb 10	Schematic, FF H1 module and PWR module
7FSC1065	3	B1	04 Feb 10	Schematic, Analog input module
W38331	5	E1	04 Feb 10	Schematic, MVS I/O module
W38353	9	A1	04 Feb 10	Schematic, HART Module
W40135	4	G	04 Feb 10	Model W40135 certification drawing
7FSC1003	2	H	04 Feb 10	Schematic - DO-R

Issue 4

Number	Sheets	Rev.	Date (Sira stamp)	Title
7FSC1067	1 to 3	A	16 Jan 12	Schematic, AI-12 Module
7FSC1069	1 & 2	B	16 Jan 12	Schematic, PI Module
7FSC1070	1 to 4	A	16 Jan 12	Schematic, AO High Module
W28163	1 to 5	A	16 Jan 12	Schematic, Thermocouple Personality Board, Series 2
W38331	1 to 7	H1	16 Jan 12	Schematic, MVS I/O and I/O Base Board for RS-485 Appl, TC, DO Relay and RTD Series 2 modules
W38342	1 of 1	B	16 Jan 12	Schematic, DO Relay Personality Board, Series 2
W38343	1 & 2	B2	16 Jan 12	Schematic, RTD Relay Personality Board, Series 2
W40135	1 of 4	K	03 Feb 12	Model W40135 certification drawing
W40135	2 of 4	H	03 Feb 12	Model W40135 certification drawing
W40135	3 of 4	H	03 Feb 12	Model W40135 certification drawing
W40135	4 of 4	D	03 Feb 12	Model W40135 certification drawing

Issue 5

Number	Sheets	Rev.	Date (Sira stamp)	Title
400181-00-2	0 of 8	C	27 Apr 13	WiHART CPU(Schematic)
400181-00-2	1 of 8	D	27 Apr 13	WiHART CPU(Schematic)
400181-00-2	2 of 8	D	27 Apr 13	WiHART CPU(Schematic)
400181-00-2	3 of 8	D	27 Apr 13	WiHART CPU(Schematic)
400181-00-2	4 of 8	D	27 Apr 13	WiHART CPU(Schematic)
400181-00-2	5 of 8	D	27 Apr 13	WiHART CPU(Schematic)
400181-00-2	6 of 8	D	27 Apr 13	WiHART CPU(Schematic)
400181-00-2	7 of 7	D	27 Apr 13	WiHART CPU(Schematic)
400181-01-0	1 to 7	A	27 Apr 13	BOM WiHART CPU

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Certificate Annexe



Certificate Number: Sira 05ATEX4046X
 Equipment: Model W40135 Flow Computer and W40203 Foundation Fieldbus Controller Assembly
 Applicant: Bristol, . dba Remote Automation Solutions

Number	Sheets	Rev.	Date (Sira stamp)	Title
400181-75-4	1 of 1	B	27 Apr 13	PCB ASSEMBLY, WiHART Module
400189-00-3	1 of 1	A	27 Apr 13	ROC/FB/SWM WiHART USB BOARD
397203-01-2	1 of 1	A	27 Apr 13	ROC 800 WiHART MODULE
W40135	1 of 4	L	27 Apr 13	Model W40135 ROC800 flow computer
W40135	2 of 4	H	27 Apr 13	Model W40135 ROC800 flow computer
W40135	3 of 4	H	27 Apr 13	Model W40135 ROC800 flow computer
W40135	4 of 4	E	27 Apr 13	Model W40135 ROC800 flow computer

Issue 6

Number	Sheets	Rev.	Date (Sira stamp)	Title
W40135	1 to 4	M	14 May 15	Model W40135 Certification drawing SIRA
W40135	2 of 4	J	14 May 15	Model W40135 Certification drawing SIRA
W40135	3 of 4	J	14 May 15	Model W40135 Certification drawing SIRA
W40135	4 of 4	F	14 May 15	Model W40135 Certification drawing SIRA
W38374	1 of 1	A	14 May 15	Assembly, PM-30V Power Module (W38374X0012)
W38372	1 to 2	A	14 May 15	Schematic, PM-30 Power Module
W38350	1 of 1	C	14 May 15	Assembly, DO Relay personality (W38350X0022)
W48097	1 of 1	C	14 May 15	Assembly, HART module (W48097X0022)
W48095	1 of 1	C	14 May 15	Assembly, MVS I/O module (W48095X0032)
W38331	1 to 7	H2	14 May 15	Schematic, RS-485 Application module
W11411	1 of 1	A	14 May 15	Marking Label drawing

Issue 7

Number	Sheets	Rev.	Date (Sira stamp)	Title
7FYY10017-X	1 to 2	F	17 Jul 18	Assembly, APM module
7FSC1076	1 to 4	A	17 Jul 18	Schematic, APM module

Issue 8

Number	Sheets	Rev.	Date (Sira stamp)	Title
7FYY10017-X	1 to 2	E	12 Sep 18	Assembly, APM module
7FSC1054	1 to 4	D2	12 Sep 18	Schematic, APM module
7FSC1055	1 to 3	A	12 Sep 18	Schematic, APM module (personality board)
7FSC1076	1 to 4	B	12 Sep 18	Schematic, APM module

Issue 9. No new drawings were introduced.

Issue 10.

Drawing	Sheets	Rev.	Date (Stamp)	Title
7FYY10010	1 of 1	D	13 Aug 21	Assembly, ROC809 Backplane (W48072X0012)
7FZZ1061-2-001	1 of 1	E	13 Aug 21	Assembly, ROC827 Series 2 CPU Backplane (W48090X0012)
7FSC1061	1 to 3	D	13 Aug 21	Schematic, ROC827 Series 2 CPU Backplane
7FZZ1062-2-001	1 of 1	D	13 Aug 21	Assembly, ROC827 Series 2 Expansion Backplane (W48091X0012)

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Certificate Annexe



Certificate Number: Sira 05ATEX4046X

Equipment: Model W40135 Flow Computer and W40203 Foundation Fieldbus Controller Assembly

Applicant: Bristol, . dba Remote Automation Solutions

Drawing	Sheets	Rev.	Date (Stamp)	Title
7FSC1062	1 to 4	C	13 Aug 21	Schematic, ROC827 Series 2 Expansion Backplane
7FYY35001-X	1 to 2	K	13 Aug 21	Assembly, PM-12 Power Module (W38185X0012)
W38372	1 to 2	B	13 Aug 21	Schematic, PM-30 Power Module
7FYY10018-X	1 to 2	M	13 Aug 21	Assembly, Series 2 CPU module (W48093X0012)
7FSC1059	1 to 5	F	13 Aug 21	Schematic, Series 2 CPU module
W38345ASY	1 to 9	D	13 Aug 21	Assembly, FFBUS INT CPU module (W48088X0012)
W38366ASY	1 of 1	C	13 Aug 21	Assembly, TC input personality (W38366X0012)
W28163	1 to 5	B	13 Aug 21	Schematic, TC input personality
7FYY10005-X	1 to 2	L	13 Aug 21	Assembly, Relay output module (W38191X0012)
7FSC1003	1 to 2	J	13 Aug 21	Schematic, Relay output module
W38350	1 of 1	D	13 Aug 21	Assembly, DO Relay personality (W38350X0022)
W38342	1 of 1	C	13 Aug 21	Schematic, DO Relay personality
W38331	1 to 7	J	13 Aug 21	Schematic, I/O Base for TC, DO Relay & RTD; MVS I/O module; RS-485 Application module
7FYY10002-X	1 to 2	J	13 Aug 21	Assembly, Discrete output module (W38193X0012)
7FYY10001-X	1 to 2	G	13 Aug 21	Assembly, Discrete input module (W38195X0012)
7FYY10003-X	1 to 2	J	13 Aug 21	Assembly, Pulse input module (W38197X0012)
7FSC1069	1 to 2	C	13 Aug 21	Schematic, 16-Bit Pulse input module
7FYY10006-X	1 to 2	K	13 Aug 21	Assembly, Analog input module (W38201X0012)
7FYY10019-X	1 to 2	F	13 Aug 21	Assembly, Analog input module (W48094X0012)
7FSC1067	1 to 3	B	13 Aug 21	Schematic, 12-Bit Quad Analog Voltage input module
7FYY10011-X	1 to 2	F	13 Aug 21	Assembly, RTD input module (W38205X0012)
W38343	1 to 2	C	13 Aug 21	Schematic, RTD input personality module
7FSC1054	1 to 4	E	13 Aug 21	Schematic, APM module
7FYY10017-X	1 to 2	J	13 Aug 21	Assembly, APM module (W38257X0022) / (W38257X0012)
7FSC1076	1 to 4	C	13 Aug 21	Schematic, APM module
7FSC1055	1 to 3	E	13 Aug 21	Schematic, APM module (personality board)
W48097	1 of 1	D	13 Aug 21	Assembly, HART module (W48097X0022)
400181-75-4	1 of 1	F	13 Aug 21	Assembly, IEC 62591 Module (WIHART)
400181-00-2	1 to 8	G	13 Aug 21	Schematic, IEC 62591 Module (WIHART)
400189-75-5	1 of 1	B	13 Aug 21	Assembly, ROC/FB/CWM USB Child
400189-00-3	1 of 1	B	13 Aug 21	Schematic, ROC/FB/CWM USB Child
7FYY10015-X	1 to 2	H	13 Aug 21	Assembly, Analog output module (W38269X0012)
7FSC1070	1 to 4	B	13 Aug 21	Schematic, Analog output module
W48089	1 of 1	D	13 Aug 21	Assembly, AC I/O module (W48089X0012)
W38286	1 to 4	D	13 Aug 21	Schematic, AC I/O module main board
W38294	1 to 2	D	13 Aug 21	Schematic, AC I/O module daughter board
W38340ASY	1 of 1	B	13 Aug 21	Assembly, FF H1 module (W28161X0012) / FF H1 PWR module (W28161X0022)
7FYY10004-X	1 to 2	K	13 Aug 21	Assembly, MVS module (W38207X0012); RS-485 module (W38209X0012)
7FSC1027	1 to 2	J	13 Aug 21	Schematic, MVS module; RS-485 module

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Equipment: Model W40135 Flow Computer and W40203 Foundation Fieldbus Controller Assembly
Applicant: Bristol, . dba Remote Automation Solutions

Drawing	Sheets	Rev.	Date (Stamp)	Title
400190-00-1	1 to 4	B	13 Aug 21	Network Radio Module, Schematic
400190-75-3	1 of 1	B	13 Aug 21	Network Radio Module, PCB Component Layout
W11411	1 of 1	B	13 Aug 21	Model W40135 (ROC800 series) label
W40135	1 to 4	N	13 Aug 21	Model W40135 ROC800 Series Flow Computer
7FSC1044	1 to 3	E	13 Aug 21	Schematic – Solar Power Supply Main Board

Following drawings are removed due to obsolete or inactive modules no longer used in construction:

Title:	Drawing No.:	Current Rev.
Assembly, ROC827 CPU Backplane (W38263X0012)	7FZZ1045-2-001	E
Schematic, ROC827 CPU Backplane	7FSC1045	E1
Assembly, ROC827 Expansion Backplane (W38266X0012)	7FZZ1046-2-001	B
Schematic, ROC827 Expansion Backplane	7FSC1046	D2
Assembly, TC input module (W38189X0012)	7FYY10012-X	E
Schematic, TC input module	7FSC1029	K1
Assembly, Analog input module (W38203X0012)	7FYY10007-X	E
Schematic, Analog input module	7FSC1024	G2
Assembly, CPU module (W48071X0012)	7FYY10009-2	H
Schematic, HART module (daughter board)	7FSC1050	E2
Schematic, HART module	7FSC1048	G2
Schematic, CPU module	7FSC1019	L5
Assembly, HART module (W38260X0012)	7FYY10016-X	G
Schematic, FF H1 848 fieldbus output board	00848-4200	AC

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