March 21, 2014

Re: Life Cycle Change Notification FloBoss 407 and ROC 300-Series

ROC 300 and 407 Customers,

This letter is to inform you that spare and replacement parts related to the **ROC 300 Series** and the **FloBoss 407** products have been discontinued. The product life cycle status of the ROC 300 and FloBoss 407 entered the **"Mature"** phase in 2007. Based on Emerson's standard life cycle policy, these products would have been brought to **"Obsolete"** five years later in 2012. Instead, in order to accommodate our customers we extended the sales of spares and replacements for an additional two years. However, the time has come to move this product to the **"Inactive"** state.

In an effort to support our customers you will have the option of sending defective product to Spartan Controls for repair. Repairs will be offered for an additional year, until April 1, 2015.

If you have any questions, please feel free to contact Spartan Controls Field Automation Team at: 403-207-0700

Sincerely,

Spartan Controls Ltd.

Product Life Cycle Status

The following describes the life cycle support status for Remote Automation Solutions products and their spare assemblies. The four life cycle stages are:

ACTIVE ---- MATURE ---- INACTIVE ---- OBSOLETE

Definition and product support for each stage follows:

An **ACTIVE** product or spare assembly enters ACTIVE status on the date that it is 'Released for Sale'. Active products are fully supported with published sales documentation including published price pages, technical specifications, website listing and other materials relevant to the product. Product is orderable through normal sales order entry procedures.

 ACTIVE products receive the following support activity.

- Upgrades and feature enhancements continue throughout the ACTIVE phase.
- Customer specials (Quote Evaluation Requests (QER's)) are accepted.
- Spares, assemblies and replacement parts are available.
- Technical support, repair service, and service replacements are available.

MATURE status signals to both the sales channel and the customer that the product or assembly is frozen at current revision level and 'End of Life' is approaching. MATURE status allows users to implement strategic migration plans to new product platforms or assemblies. MATURE status allows users to complete expansion of existing systems during migration planning. MATURE products or assemblies remain available through normal sales order entry procedures.

Additionally, products and assemblies receive the following reduced support:

- Upgrades to accommodate new system version levels (i.e., functional enhancements) will not be made.
- Revisions will be reviewed and considered to correct product issues reported during the MATURE phase. Upgrading to a new replacement product or assembly, where applicable, is recommended.
- Customer specials (QERs) are discouraged. Upgrading to the new replacement product or assembly, where applicable, is recommended.
- Product options and selection paring is to be expected.
- Repair or Service replacement and replacement parts will be available at "best effort levels" for five years.

INACTIVE

INACTIVE status indicates that the product or assembly has been removed from the published price book and withdrawn from sale.

 INACTIVE products and assemblies receive the following reduced support:

- Product or assembly is not available through sales order entry procedures.
- A migration path to a replacement product or assembly, where applicable, will be made in the notice of status change.
- Upgrades to accommodate new system version levels (i.e., functional enhancements, corrections) will not be made. Upgrading to new replacement product or assembly, where applicable, is recommended.
- Repair or Service replacement with compatible unit will be available on a "best effort level" for the duration of the five year period that began with the status change to MATURE. Spare assembly availability beyond Repair or Service replacement is not available. Repair pricing and turnaround for inactive products and assemblies are subject to change without notice.

OBSOLETE

After a product has reached INACTIVE status and five years from the MATURE status notice has elapsed, or when purchased products are no longer available from the supplier, the product status is OBSOLETE. These products are no longer supported.

- Product is not available through sales order entry procedures.
- A migration path to a replacement product or assembly, where applicable, will be re-stated in the notice of status change.
- Spare assemblies are not available.
- Technical Support may be available at a "Best Effort Level".
- Repair or Service replacements will not be available.

SELECTION CODE	PRODUCT DESCRIPTION	STAGE	DATE	REPLACEMENT
FSROC-300H/306	ROC 306 MCU	Inactive	1-Jan-09	FB107
FSROC-300H/312	ROC 312 MCU	Inactive	1-Jan-09	FB107
FSROC-364H/MCUH	ROC 364 MCU	Inactive	1-Jan-09	ROC800
FSROC-407/407H (C)	FloBoss 407 MCU and Enclosure	Inactive	30-Sep-09	FB107E
FSROC-364H/IR5	32 Point Fixed I\O	Inactive	1-Oct-05	None
FSFB-553	FloBoss 553	Obsolete	1-Jul-04	FSFB-103
FSACC-1/SLRP	Pipe stand Mount Kit, Solar, 1.5" to 3" pipe	Obsolete	1-Nov-04	None
00Q027-1	Single Run 2470 upgrade kit	Inactive	1-May-04	Standard Product
00Q027-2	Dual Run 2470 upgrade kit	Inactive	1-May-04	Standard Product
00Q028	2480 upgrade kit	Inactive	1-May-04	Standard Product
FSROC-300H/RAM1H	128K RAM Module (slot 1)	Inactive	1-Oct-03	Use RAM4H (256K)
FSROC-300H/RAM2H	128K RAM Module (slot 2)	Inactive	1-Oct-03	Use RAM4H (256K)
FSACC-3/RF23	MVS101R Remote MVS 0.1%, 0-1450 psia	Obsolete	4-Jan-02	FSACC-2/RSE24S
FSACC-3/RFB	MVS101 Mounting Bracket`	Obsolete	4-Jan-02	FSACC-2/RSB
FSACC-1/BASE	CONCRETE PAD, Freestanding Enclosure	Inactive	7-Jun-99	None
FSACC-1/EN21	ENCLOSURE. Freestanding, ROC364, 24" x 15" x 8"	Obsolete	6-Apr-98	FSACC-1/EN23
FSACC-1/EN21L	ENCLOSURE, Freestanding, EN21 with LCD	Obsolete	6-Apr-98	FSACC-1/EN23L
FSACC-1/EN22	ENCLOSURE, Freestanding, ROC306/312 24" x 15" x 8"	Obsolete	6-Apr-98	FSACC-1/EN23
FSACC-1/EN22L	ENCLOSURE, Freestanding, EN22 with LCD	Obsolete	6-Apr-98	FSACC-1/EN23L
FSACC-1/EN36	ENCLOSURE, 12 X 15 X 6	Obsolete	10-Apr-00	FSACC-1/EN34
FSACC-1/EN36L	ENCLOSURE, 12 X 15 X 6 with LCD in door	Obsolete	10-Apr-00	FSACC-1/EN34L
FSACC-1/GNDK	GROUNDING ROD KIT	Inactive	6-Apr-98	None
FSACC-1/RLA1	RELAY, SPDT, 15A Contacts, 120VAC	Inactive	9-Sep-96	None
FSACC-1/RLD1	RELAY, SPDT, 15A Contacts, 24 VDC	Inactive	9-Sep-96	None
FSGV-101/CIS1	GV101 Configuration Software	Inactive	7-Jun-99	99Q010
FSGV-101/CIS2	GV101 Additional Copies	Inactive	7-Jun-99	None
FSGV-101/CIS1C	GV101 Configuration Software, Industry Canada	Inactive	7-Jun-99	None
FSGV-110/HOS1	Operations Software	Obsolete	8-May-00	None
FSGV-110/HOS2	Operations Software – Voice Alarming	Obsolete	7-Jun-99	None
FSROC-300H/RPS3H	ROCPAC, Operating Syst., Appl., HP	Inactive	4-Nov-96	None
FSROC-300H/RPS4H	ROCPAC, Operating Syst., Appl., HP, Gas tasks	Inactive	4-Nov-96	None
FSROC-300H/UG9H	UPGRADE KIT, ROCPAC	Obsolete	5-Apr-99	None
FSROC-364H/RAMCH	Memory, 128K for Slot 3	Inactive	8-Feb-99	-----
FSROC-364H/RP1H	ROCPAC, Operating System, No RAM	Inactive	8-Feb-99	-----
FSROC-364H/UG10H	UPGRADE KIT, ROCPAC	Obsolete	5-Apr-99	None
FSTOOLS-1/BASEF	Concrete Base Fabrication Kit	Inactive	7-Oct-98	None
FSDL6000	DL6000	Inactive	31-Dec-13	DL8000

The following are recommended replacements for these RTU's;

ROC306/312/407 –   Replaced by FloBoss 107
ROC364 –   Replaced by ROC800

The information for these replacements can be found below.

*** Please note that ROC364s may also be replaced by FloBoss 107's depending on the IO count ***
*** Please contact Spartan Controls to assist you with proper RTU selection for your application ***

FloBoss™ 107 Flow Manager.

The FloBoss™ 107 Flow Manager introduces a new technology platform to the FloBoss family of flow computers that raises the bar for modularity, versatility, performance, and ease of use. Whether you need a single or multi-run flow computer or few or many I/O points, the new FloBoss 107 can accommodate your needs. The FloBoss 107 is the ideal measurement solution for many natural gas applications. These include, but are not limited to:

- Custody Transfer
- Wellhead Measurement and Control
- Well Injection Pressure
- Compressor Fuel Gas
- Industrial Gas Usage
- Commercial Gas Usage

The new FloBoss 107 offers you benefits that research has shown flow computer users request. You also get all of the tried and true features of previous FloBoss units such as accurate AGA calculations, data archival, broad communications support, low power consumption, PID loop control, FST control, and operation over extreme temperatures.

API/AGA/ISO Compliant Flow Measurement. The FloBoss 107 maintains API Chapter 21.1 compliant historical archives for measured and calculated values, as well as events and alarms. The firmware has the capability to perform AGA3 orifice flow calculations or AGA7 pulse flow calculations using AGA8 compressibility. It also performs ISO 5167 flow calculations. Other gas flow or properties calculations can be implemented using User C programs.

One to Four Meter Runs. The FloBoss 107 features a built-in dual-variable sensor (DVS) port and RTD input for handling a single meter run. For multiple runs, an optional multi-variable sensor (MVS) module supports up to four remote MVS units.

Scalable and Configurable I/O. You can add a configurable I/O board to the CPU module and up to three configurable I/O modules to the base FloBoss 107. For even more capacity, add an expansion rack to house up to three additional I/O modules.

FloBoss 107 Base Unit

Local or Host Operation. The FloBoss 107 is configured and operated on-site using our Windows® based ROCLINK™ 800 Configuration Software. The FloBoss 107 can also be configured and operated from a computer running popular host software packages. Modbus ASCII and RTU slave or host protocols, as well as native ROC protocol, are supported.

More Communication Choices. The FloBoss 107 comes standard with 3 ports: local operator interface, RS-232, and RS-485. One additional port is supported using an expansion communication module.

Built-in Control Capability. The FloBoss 107 can perform PID control on 8 loops using analog or discrete outputs. A wide range of control problems can be solved easily and quickly with outstanding results. It can also perform logic and sequencing control by means of Function Sequence Tables (FSTs).
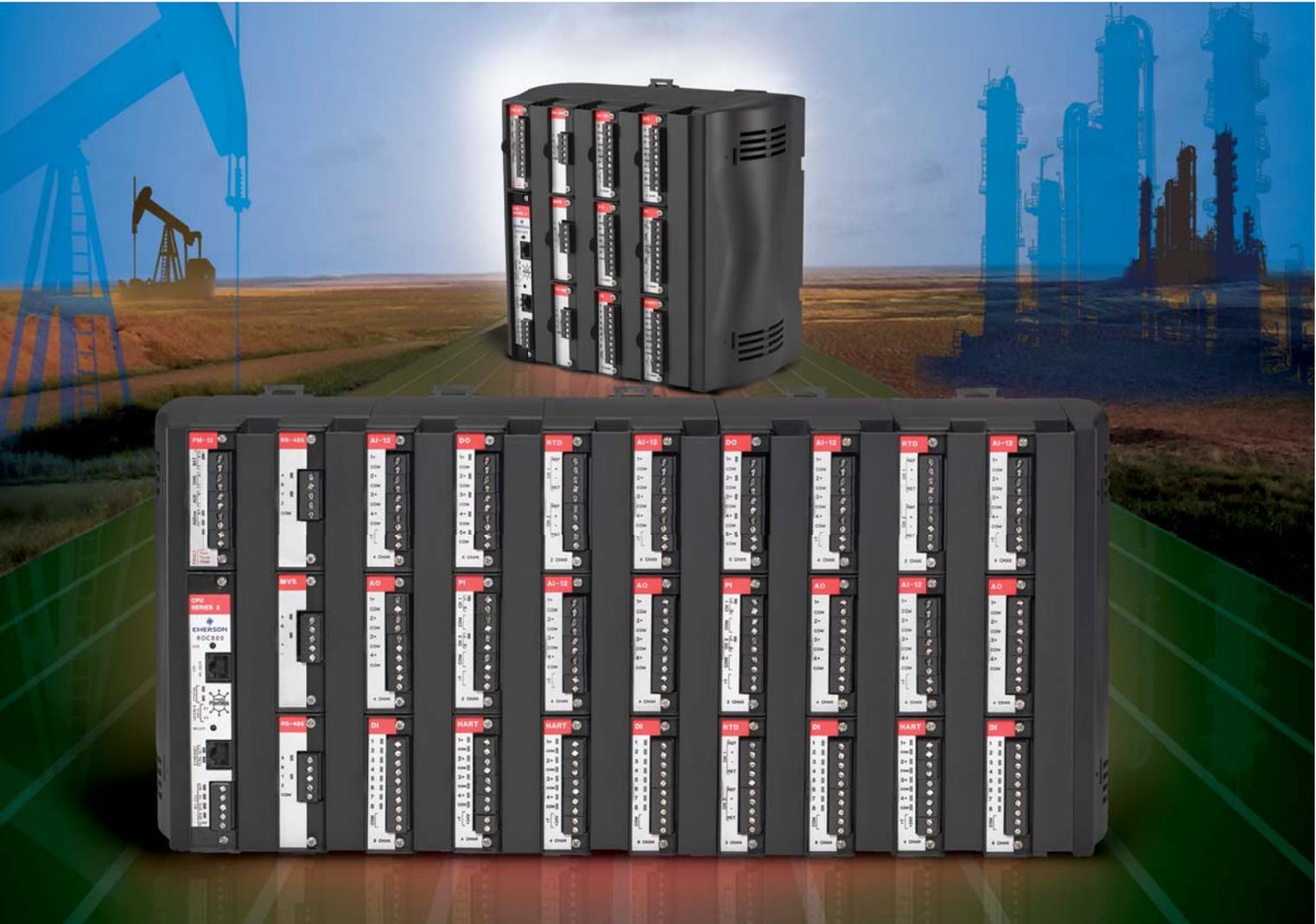
EMERSON
Process Management

ROC800-Series
The Solution to Field Automation Problems

EMERSON
Process Management

The ROC800-Series has the ruggedness and low power consumption of an RTU; the audit trails and historical data of a flow computer; and the scalability, speed and control capability of a PLC in a single device. It is ideal for field installations where the monitoring, measurement, and control of processes and equipment are required.

These features give the ROC800-Series outstanding flexibility in meeting a wide range of field applications:

- Operation over a wide temperature range
- Low power consumption
- Rugged, field-ready construction
- Field-side surge and short-circuit protection
- Local storage of monitored, measured, and calculated data
- Local control of field equipment including valves and motors
- Custom configurations
- Broad communications capabilities
- Expandable software and hardware
- High levels of data security

This versatility makes the ROC800-Series ideal for almost any measurement and control application located outside the plant walls, including:

- Gas production
- Fiscal metering
- Compressor stations
- Offshore platforms
- Small gas processing operations
- Water and wastewater facilities
- Tank farms
- Boilers and chillers

The ROC800-Series is comprised of the ROC809, offering nine slots for I/O and communication modules, and the ROC827 offering either 3, 9, 15, 21, or 27 slots using snap-together module racks.

The ROC827 features snap-together module racks that let it accommodate from 3 to 27 I/O and communication modules. »

RTU, Flow Computer and PLC

You get the ruggedness and low power consumption of an RTU, the audit trails and historical data of a flow computer, and the scalability, speed and control of a PLC in one device.

Fill-In-The-Blanks Configuration

You save time and effort because you don't start from scratch to configure the ROC800-Series. Simply fill in the blanks to configure I/O, PID loops, flow calculations and history.

IEC 61131-3 Compliant Programming

With our DS800 Development Suite, you can create programs in any one of five languages. Create your libraries, functions, function blocks and program templates for single and multiple architecture applications.

Fast, Accurate Flow Calculations

Gas calculations comply with AGA and API standards.

- AGA 3 for orifi ce metering
- AGA 7/ISO 9951 for turbine metering
- AGA 8/ISO 12213-2 for compressibility
- API Chapter 21.1 (Second Edition, February 2013)

Distributed Architecture

Distributed architecture allows you to strategically place units where you need them to reduce field wiring runs while retaining the ability to create a single control algorithm or multiple control algorithms across units.

Rugged I/O

I/O modules make extensive use of optical (electrical) isolation, transient suppression, and current limiting to dramatically improve reliability. System failures related to power and wiring errors are virtually eliminated without the use of fuses.

Sophisticated PID Loop Control

The ROC800-Series provides outstanding PID (proportional, integral, derivative) loop control capability that rivals that found in dedicated process controllers.

Flexible Logic and Sequencing Control

Function Sequence Table, or FST control, lets you construct your own control strategies by choosing from a set of logic, math, comparison, time-related, control-related, database, and general command sets.

Communications

In addition to an Ethernet port, the ROC800-Series has two fully functional built-in EIA -232 (RS-232) ports, one typically used for communications to a PC-based local operator interface, and one for communication to other devices. Three additional ports can be added using plug-in communication modules.

ROC809

RTUs
- Low Power
- Broad Communications
- Environmentally Hardened

Flow Computers
- Audit Trails
- Historical Records
- Flow Calculations

PLCs
- Scalable
- Powerful Control
- Fast