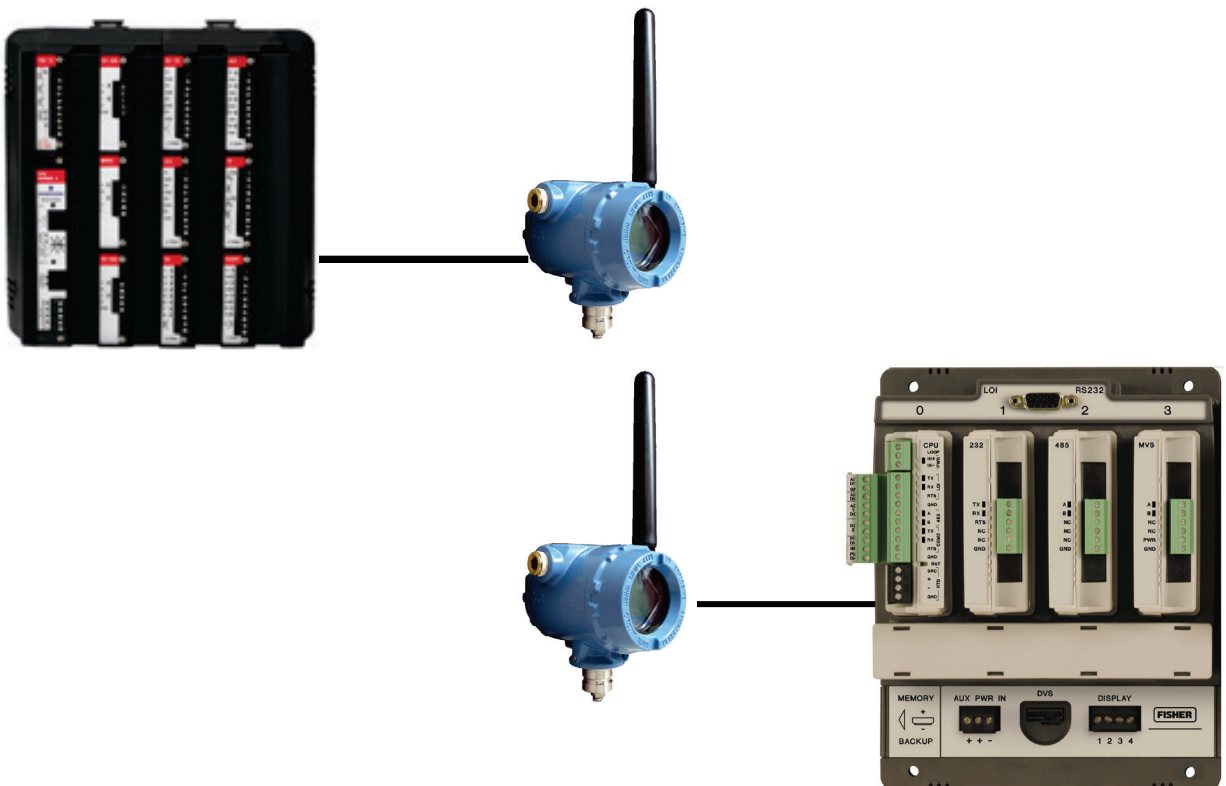


Part D301708X012

August 2015

IEC 62591 Wireless Interface Instruction Manual



Remote Automation Solutions

Revision Tracking Sheet

August 2015

This manual may be revised periodically to incorporate new or updated information. The revision date of each page appears at the bottom of the page opposite the page number. A change in revision date to any page also changes the date of the manual that appears on the front cover. Listed below is the revision date of each page (if applicable):

Page	Revision
All	August-2015
All	October-2014
Initial issue	August-2012

Contents

Chapter 1 – General Information	1-1
1.1 Scope of Manual	1-2
1.2 Hardware.....	1-2
1.2.1 IEC 62591 Wireless Interface Module	1-2
1.2.2 Smart Wireless Field Link	1-3
1.2.3 <i>Wireless</i> HART Field Devices	1-4
1.3 Configuration/Commissioning Software	1-4
1.4 Additional Technical Information	1-5
Chapter 2 – Installation	2-1
2.1 Installing the IEC 62591 Module	2-1
2.2 Installing the Smart Wireless Field Link	2-3
2.2.1 Optimizing the Location.....	2-3
2.2.2 Positioning the Antenna	2-4
2.2.3 Mounting the Field Link	2-4
2.2.4 Grounding the Field Link	2-5
2.3 Wiring the Module and Field Link.....	2-5
2.3.1 Wiring the Field Link.....	2-5
2.3.2 Wiring the IEC 62591 Module to the Field Link.....	2-6
2.4 Preparing for Configuration and Commissioning	2-7
Chapter 3 – Configuration and Commissioning	3-1
3.1 Overview	3-2
3.1.1 Configuring Devices and Planning the Network.....	3-2
3.1.2 Network ID and Join Key.....	3-3
3.1.3 Rosemount THUM™ Adapter	3-3
3.2 IEC 62591 Module Interface (FB107)	3-3
3.2.1 Commissioning Devices.....	3-7
3.2.2 Managing Device Information	3-10
3.2.3 Reviewing Network Statistics.....	3-13
3.2.4 Retrieving a Diagnostic Log	3-14
3.2.5 Displaying Commissioned Transmitters.....	3-15
3.2.6 Updating Firmware.....	3-16
3.3 IEC 62591 Module Interface (ROC800).....	3-18
3.3.1 Accessing the Network.....	3-20
3.3.2 Commissioning Devices.....	3-21
3.3.3 Managing Device Information	3-25
3.3.4 Viewing Network Statistics	3-28
3.3.5 Retrieving a Diagnostic Log	3-29
3.3.6 Updating Firmware.....	3-30
Chapter 4 – Troubleshooting	4-1
4.1 General Guidelines	4-1
4.2 Common Troubleshooting Techniques	4-2
4.2.1 Identifying which System Components are Working	4-2
4.2.2 Conducting Basic Hardware Checks	4-2
4.2.3 Looking for Possible Configuration Errors	4-2

4.2.4	Rebooting after a Power Loss.....	4-3
4.3	Errors from the IEC 62591 Transmitter Tab.....	4-3
4.3.1	NaN value	4-3
4.3.2	Stale / Communication Failure.....	4-4

Appendix A – Glossary	A-1
------------------------------	------------

Index	I-1
--------------	------------
