

APG
RST-5003 Web
Enabled
Control
Module



APG Sensors RST-5003 Web Enabled Control Module Installation Guide

[Home](#) » [APG Sensors](#) » [APG Sensors RST-5003 Web Enabled Control Module Installation Guide](#) 

Contents

- 1 [APG Sensors RST-5003 Web Enabled Control Module](#)
- 2 [Product Information](#)
- 3 [Product Usage Instructions](#)
- 4 [Frequently Asked Questions \(FAQ\)](#)
- 5 [Description](#)
- 6 [How To Read Your Label](#)
- 7 [Warranty and Return Information](#)
- 8 [Installation Procedure](#)
- 9 [Dimensions](#)
- 10 [Power Supply Wiring Diagrams](#)
- 11 [Modbus System Wiring Diagrams](#)
- 12 [Accessing the RST-5003's Embedded Webpage](#)
- 13 [General Care](#)
- 14 [Removal Instructions](#)
- 15 [ABOUT COMPANY](#)
- 16 [Documents / Resources](#)
 - 16.1 [References](#)
- 17 [Related Posts](#)



APG Sensors RST-5003 Web Enabled Control Module



Product Information

Specifications

- **Model:** RST-5003
- **Series:** Web Enabled
- **Manufacturer:** Automation Products Group, Inc.
- **Part Number:** 122950-0012
- **Address:** 1025 W 1700 N Logan, UT 84321
- **Revision:** B
- **Website:** www.apgsensors.com
- **Phone:** [888-525-7300](tel:888-525-7300)
- **Email:** sales@apgsensors.com

Description

The RST-5003 control module is part of the Web Enabled Series by Automation Products Group, designed to provide advanced control and monitoring capabilities for various applications.

Dimensions

Dimensions of the product are as follows: 7/8 G2 BAN 4 DV 4 4 1/2.

Product Usage Instructions

Installation Procedure

1. Connect any 4-20 mA sensor, relays, or switched inputs first.
2. Connect the RST to Ethernet/network.
3. If not using POE, connect an independent 12-28 VDC supply.
4. Connect and set up one Modbus sensor at a time.

Important: Each Modbus sensor must be added to the network individually and assigned a unique Sensor Number before adding the next sensor.

Note: If you can control power to each Modbus sensor individually, you can connect them all simultaneously and power them on individually.

Power Supply Wiring Diagrams

For External 12-28VDC Power Supply Wiring:

Frequently Asked Questions (FAQ)

- **What is the warranty coverage for the RST-5003 control module?**

The product is covered by APG's warranty for 24 months against defects in material and workmanship under normal use. For more details, visit [APG's Warranty Page](#).

- **How can I return the product for evaluation?**

Contact Technical Support to receive a Return Material Authorization (RMA) before shipping the product back. You can find more information on the return process on the APG website or by contacting them via email, phone, or online chat.

Thank You

Thanks for purchasing a RST-5003 control module from us! We appreciate your business and your trust. Please take a moment to familiarize yourself with the product and this manual before installation. If you have any questions, don't hesitate to call us at [888-525-7300](tel:888-525-7300).

Description

The RST-5003 Web Enabled Control Module offers a wide degree of integrated and flexible remote and local control and monitoring for your system. The RST-5003 can control up to ten APG Modbus sensors—any combination of level, pressure, magnetostrictive, and ultrasonic—along with one 4-20 mA sensor, and two input or out relay terminals. All readings are available for control and monitoring via TCP/IP for local or remote network access. The RST-5003 also has flexible power options: it can use either POE or an independent 12-28 VDC power source.

How To Read Your Label

- Each label comes with a full model number, a part number, and a serial number. The model number for the RST-5003 will look something like this:
SAMPLE: RST-5013
- The model number correlates with all the configurable options and tells you exactly what you have. Compare the model number to the options on the datasheet to identify your exact configuration. You can also call us with the model, part, or the serial number and we can help you.

Warranty and Return Information

- This product is covered by APG's warranty to be free from defects in material and workmanship under normal use and service of the product for 24 months. For a full explanation of our Warranty, please visit <https://www.apgsensors.com/resources/warranty-certifications/warranty-returns/>. Contact Technical Support to receive a Return Material Authorization (RMA) before shipping your product back.
- If your radar level sensor needs to be returned for evaluation, contact us via email, phone, or on-line chat on our website. We will issue you an RMA number with instructions. You can also find the form on our website by

clicking "RMA" in the web footer, or go to

https://share.hsforms.com/1rPTIAWbsTMiD0XD_SkBs6g2rio0.

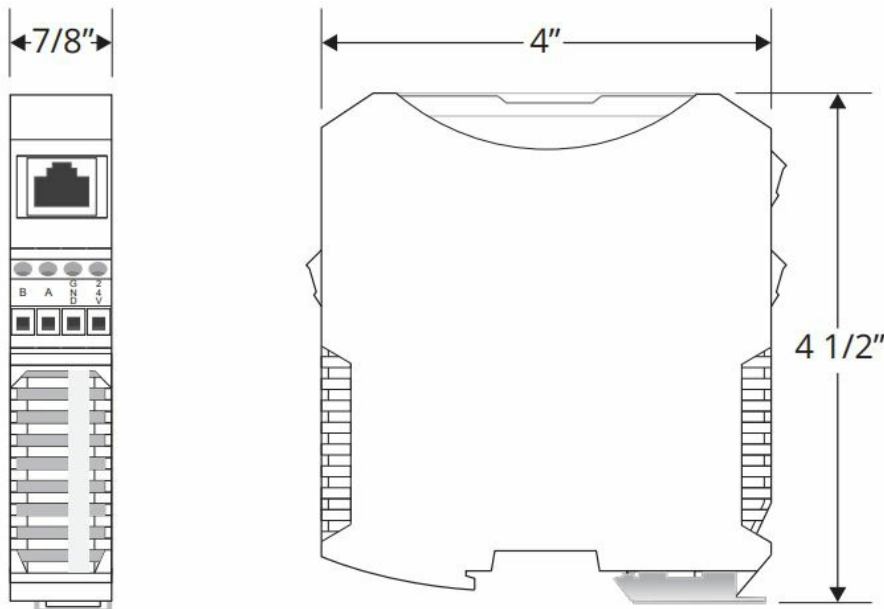
- Phone: [888-525-7300](tel:888-525-7300)
- Email: sales@apgsensors.com
- Online chat at www.apgsensors.com

Please have your part number and serial number available.

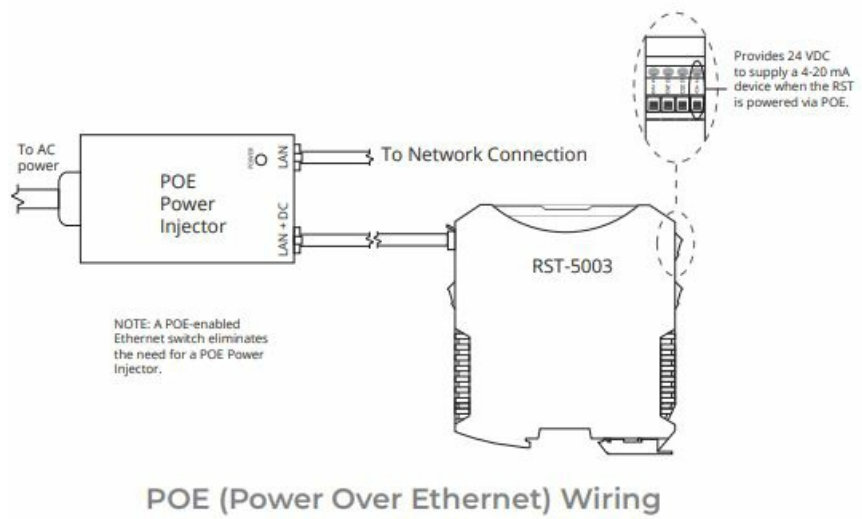
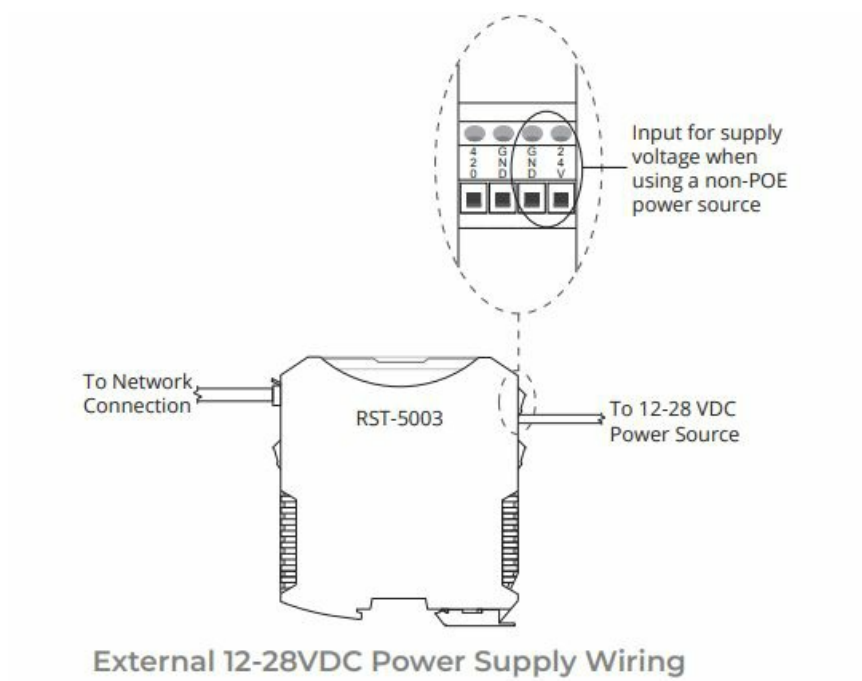
Installation Procedure

- Installing your RST-5003 is easy if you follow a few simple steps:
 - **STEP 1:** Connect any 4-20 mA sensor, relays, or switched inputs first.
 - **STEP 2:** Connect RST to Ethernet/network.
 - **STEP 3:** Connect independent 12-28 VDC supply if not using POE.
 - **STEP 4:** Connect and set up one Modbus sensor at a time.
 - Please keep the following limitations in mind:
 - Up to 10 Modbus sensors can be connected to the RST-5003 in any combination.
 - Only one 4-20 mA sensor can be connected to the RST-5003.
- IMPORTANT:** Each Modbus sensor must be added to the network individually and assigned a unique Sensor Number before the next sensor can be added.
- NOTE:** If you can control power to each Modbus sensor individually, you can connect them all simultaneously, and power them on individually.

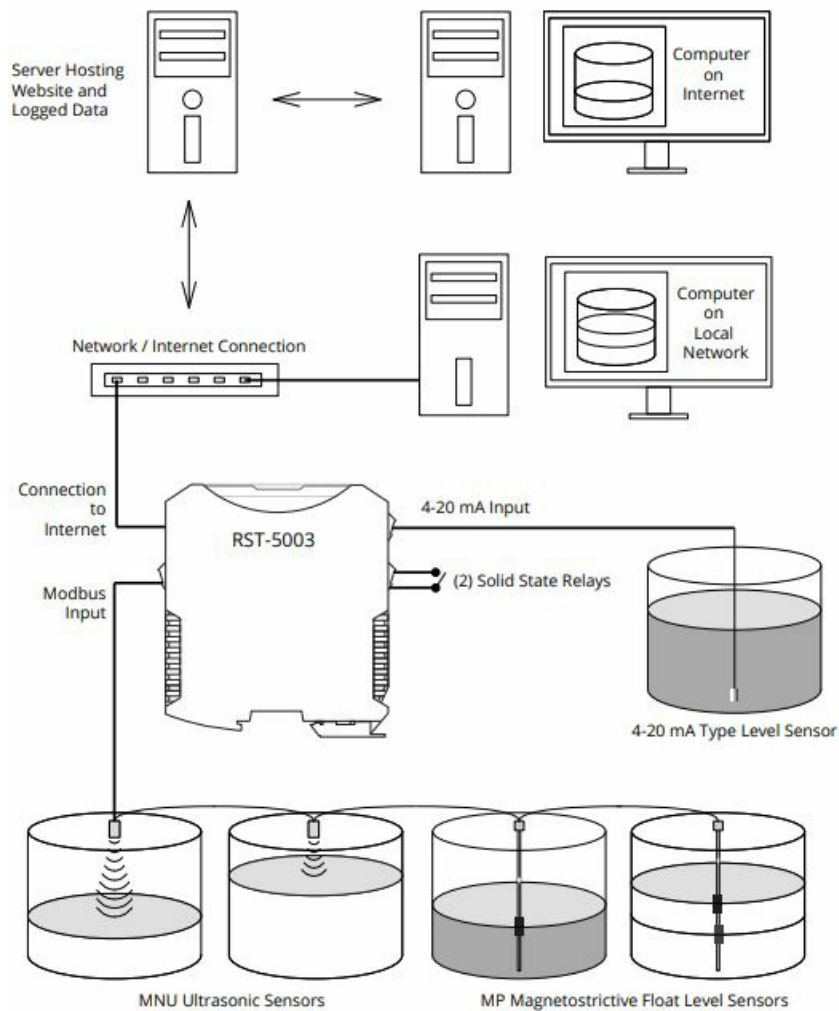
Dimensions



Power Supply Wiring Diagrams



Modbus System Wiring Diagrams



Modbus System & Network Diagram

Accessing the RST-5003's Embedded Webpage

Each Modbus sensor attached to your RST-5003 must be configured via the RST-5003's embedded webpage before the next sensor can be added. The easiest way to access the embedded webpage is to type `rst_xxx` into a web browser on a computer connected to the same local network as the RST-5003. xxx represents the numeric portion of the RST-5003's serial number. See Figures 8.1 and 8.2.



Figure 8.1

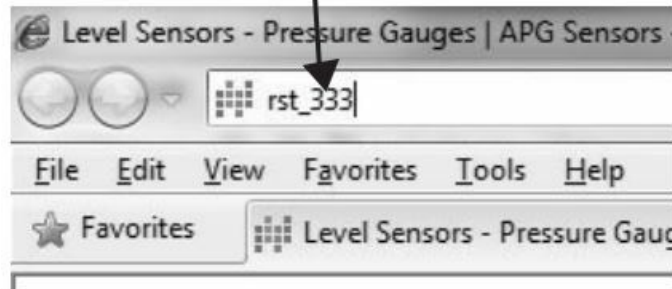
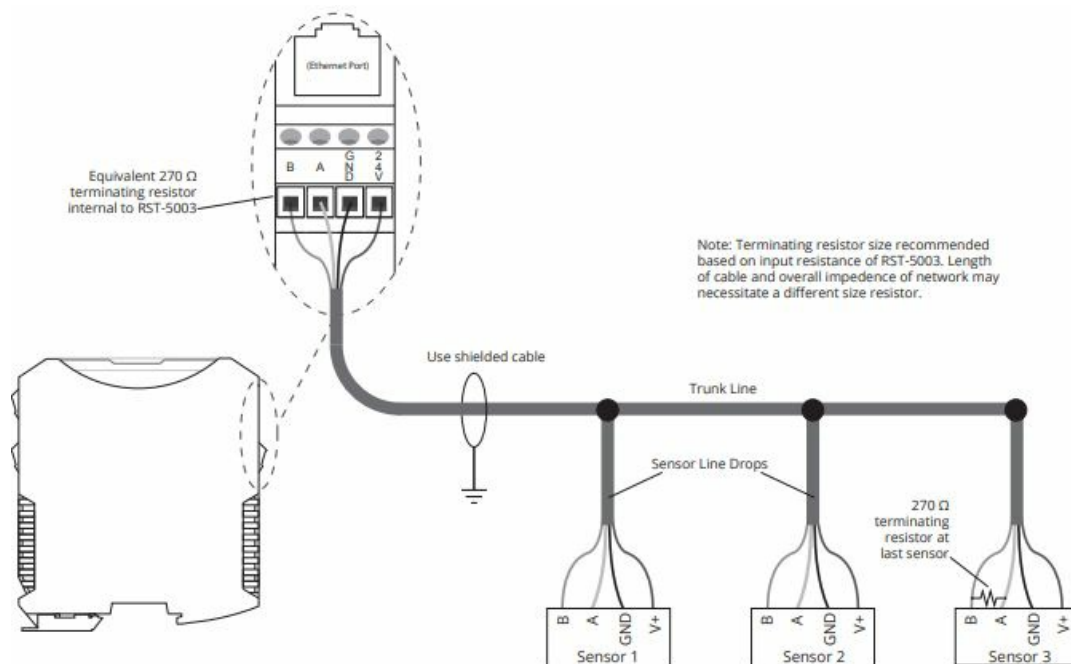


Figure 8.2

IMPORTANT: See your RST-5003 User Manual for complete Modbus programming instructions and troubleshooting tips.

NOTE: Refer to each sensor's user manual for sensor specific wiring instructions. User Manuals for all APG sensors and equipment are available at www.apgsensors.com.



Modbus Daisy Chain Wiring

NOTE: Port 6700 must be open on your local network for the RST-5003 to connect.

General Care

- Your RST-5003 is very low maintenance and will need little care as long as it is installed correctly. However, in general, you should:
- Avoid applications for which the control module was not designed, such as extreme temperatures, contact with

incompatible corrosive chemicals and fumes, or other damaging environments.

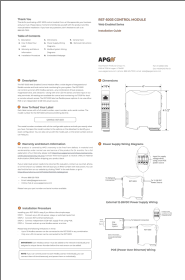
Removal Instructions

- **STEP 1:** Disconnect power source to control module.
- **STEP 2:** Disconnect sensors and network cable to control module.
- **STEP 3:** Remove the control module and store it in a dry place, at a temperature between -40° F and 180° F.

ABOUT COMPANY

- www.apgsensors.com
- phone: [888-525-7300](tel:888-525-7300)
- email: sales@apgsensors.com

Documents / Resources

	<p>APG Sensors RST-5003 Web Enabled Control Module [pdf] Installation Guide RST-5003, RST-5003 Web Enabled Control Module, RST-5003, Web Enabled Control Module, Enabled Control Module, Control Module, Module</p>
--	---

References

-  [Form](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.