



FactoryTalk EnergyMetrix Software Version 2.0

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About This Publication

These release notes describe software enhancements and anomalies for the FactoryTalk® EnergyMetrix software version 2.0.

IMPORTANT FactoryTalk EnergyMetrix software supports only FactoryTalk Activations. If you are upgrading from RSEnergyMetrix™ software activated with EvRSI (master disk) activation, please contact your local Rockwell Automation Sales office or Technical Support for information to migrate your activations to FactoryTalk activations.

Package Contents

FactoryTalk EnergyMetrix software is an upgrade and re-branding of RSEnergyMetrix software.

The contents of the software product packaging have changed in several ways:

- Only FactoryTalk EnergyMetrix Manager software products include an installation DVD. Options such as Real Time (RT), ReportsPlus, ChartsPlus, and FTEMOPC (third-party OPC client) are furnished with a FactoryTalk Activation only. To install these options, install their activations by using FactoryTalk Activation Manager.
- The User Manual replaces the Getting Results Guide and is provided on the installation DVD as an Adobe Acrobat PDF file.
- Manager products bundled with Microsoft SQL server are supplied with Microsoft SQL Server 2008 R2.

Upgrading from RSEnergyMetrix Software

You may upgrade to FactoryTalk EnergyMetrix from RSEnergyMetrix software. For customers who have purchased software support agreements, these updates are available at no charge. You may download an upgrade from the Rockwell Software updates page or request a DVD from Rockwell Software support.



IMPORTANT If you are upgrading from RSEnergyMetrix software activated with EvRSI (master disk) activation, please contact your local Rockwell Automation Sales office or Technical Support for information to migrate your activations to FactoryTalk activations.

An upgrade may be installed from a DVD or a downloaded upgrade file. The downloaded file is a full image of the installation DVD and is approximately 1 GB in size.

During an upgrade, FactoryTalk EnergyMetrix software reads configuration parameters from the existing web.config file and stores them in the database.



ATTENTION: If your installation of RSEnergyMetrix software has been customized by a solution provider (Rockwell Automation or a system integrator), contact the solution provider before attempting any software update. Updating a customized installation without the necessary precautions may disable custom additions to the basic software.

Follow these steps to upgrade your RSEnergyMetrix installation to FactoryTalk EnergyMetrix software.

Installation from DVD or Downloaded DVD Image

Follow these steps to install the software.

1. Back-up the RSEnergyMetrix 'EMMA' database.
2. Obtain the login username and password of the SQL system administrator account used for the initial installation of RSEnergyMetrix software.
3. Download the upgrade file from the Rockwell Automation software updates page.
 - Locate the downloaded file, default is:
C:\Documents and Settings\All Users\Application Data\RA\FactoryTalk EnergyMetrix\2.00.00-FactoryTalk EnergyMetrix-DVD.
 - Or, insert the installation DVD into the server's DVD drive.
4. Browse to the FactoryTalk EnergyMetrix folder.
5. Run the file setup.exe.
6. On the dialog box that appears, choose 'Remove all installed components'.

TIP If an error message appears related to the installation script version, exit the installation program. Use the Windows Control Panel Add/Remove Programs application to remove FactoryTalk EnergyMetrix software. Then re-start the FactoryTalk EnergyMetrix software installer and install the new version.

The existing installation of RSEnergyMetrix software is removed. The database is not removed.

7. When the un-installer completes, run setup.exe again.

8. When prompted, enter the SQL system administrator account login credentials.

You will see a message that the existing FactoryTalk EnergyMetrix database has been found and updated if needed. The installer will copy program options from the previous web.config file into the database

9. When prompted, click 'Yes' to restart the server.

IMPORTANT	The URL for the web site that FactoryTalk EnergyMetrix software runs under is different from that which RSEnergyMetrix software used. The web site name will be FTEnergyMetrix instead of RSEnergyMetrix. Users that had bookmarked RSEnergyMetrix in their browser will need to change that bookmark.
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Enhancements with Version 2.0

The following product enhancements are part of FactoryTalk EnergyMetrix software version 2.0.

Enhancement	Description
New product support	FactoryTalk EnergyMetrix software supports the Allen-Bradley PowerMonitor™ 5000 unit.
FactoryTalk Live Data	FactoryTalk EnergyMetrix software supports data logging from the Factory Talk Live Data server.
Excel MPR Template	A Microsoft Excel template has been added to the Multi-purpose Report in the ReportsPlus option.
Automatic Power Quality Downloading	FactoryTalk EnergyMetrix software automatically downloads and saves power quality captures like waveforms and transient records into the database and then clears the power monitor buffers.

Corrected Anomalies with Version 2.0

The following product changes were included when the product shipped to you.

Corrected Anomalies	Description
PowerMonitor 1000 RT	CORRECTED: PowerMonitor 1000 Load Factor Log column labels were incorrect.
PowerMonitor 3000 RT	CORRECTED: Removed 'k' from PowerMonitor 3000 setpoint type power/energy unit descriptions.
E3 Plus EC5 logging issue	CORRECTED: E3 Plus EC5 device was not logging data.

Known Anomalies with Version 2.0

The following are the known anomalies for FactoryTalk EnergyMetrix software version 2.0.

Known Anomaly	Description
RT Device configuration for the PowerMonitor 3000 unit	RT Device configuration dialog box for the PowerMonitor 3000 unit may need to be closed and re-opened following an initial upload to enable all the model-related features in the dialog box.
Communication loss to PowerMonitor W250 unit	FactoryTalk EnergyMetrix software version 2.0 will not detect communication loss to wireless PowerMonitor W250 units. In case of communication loss, energy and demand data will not be logged, and voltage and current data will remain fixed.
Manually adding IP addresses of Ethernet network devices	You must manually add the IP address of each Ethernet network device to the RSLinx Classic software Ethernet Devices driver on the server.

Known Anomaly	Description
RSLinx® Classic software user interface	When RSLinx Classic software runs as a Windows service on Windows 2008 Server, its user interface is not available. The RSLinx Classic user interface is available only when RSLinx Classic software runs as an application.
Configuring EtherNet/IP devices in RSLinx software and connecting to those devices in FactoryTalk EnergyMetrix software	After configuring EtherNet/IP network devices in RSLinx software, it may be necessary to open RSWho and then browse to and select each device, including Logix processor modules, to enable FactoryTalk EnergyMetrix software to connect to the devices.
RT and ChartsPlus options on 64-bit operating systems	The RT (Real Time) and ChartsPlus options will not run as rich-client applications on a 64-bit operating system. They will run as ClickOnce applications.
.NET Framework installation	The .NET Framework must be installed after IIS is installed and running. If IIS is installed after these components, then you must reinstall those components.
Creating PowerMonitor unit with unknown rack/group address	If a PowerMonitor unit on a remote I/O device is created with a rack/group address that does not exist, the RT device viewer may display bogus data.
DeviceNet communication to a PowerMonitor II meter	FactoryTalk EnergyMetrix RT software does not support DeviceNet communication to the PowerMonitor II meter.
SQL server installed on another machine	If FactoryTalk EnergyMetrix software is installed with a connection to an SQL server on another machine, SQL Server 2005 or 2008 Express Edition must be installed on the FactoryTalk EnergyMetrix server.
Scheduling auto-run reports	Scheduling many auto-run reports to run at the same time may cause excessive server resource demand and cause reports to time out.
Viewing reports in web browser	Reports run automatically in Excel format may not be viewed in the web browser if the client has the Microsoft Office 97 operating system or later installed. The report may still be saved and opened by using Microsoft Excel software.
New OPC meter set up	When setting up a new OPC meter, the first time the OPC Browser is used it may return an error. To work around this, save the meter with a blank access path, edit, and click OPC Browser again.
Validate button in MPR script editor page	With IIS 7, clicking the Validate button throws a page error and doesn't validate the script. A script with syntax errors may be saved. To correct this, open IIS Manager from Administrative Tools. Drill into Application Pools and change the Managed Pipeline Mode in the default application pool to Classic from Integrated.

Additional Resources

These documents contain additional information concerning related products from Rockwell Automation.

Resource	Description
FactoryTalk EnergyMetrix Software Version 2.0 User Manual, publication FTALK-UM001	Provides information for using FactoryTalk EnergyMetrix software.
Industrial Automation Wiring and Grounding Guidelines, publication 1770-4.1	Provides general guidelines for installing a Rockwell Automation industrial system.
Product Certifications website, http://www.ab.com	Provides declarations of conformity, certificates, and other certification details.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Allen-Bradley distributor or Rockwell Automation® sales representative.

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