

DataSite Controllers FRN 1.30

Catalog Numbers 1758-FLO301, 1758-FLO302, 1748-RTU201, 1758-RTU202

About This Publication

These release notes for FRN 1.30 supplement the existing documentation supplied with your product.

Enhancements

Enhancements with FRN 1.30

Affected Module	Description
DNP3 protocol	Added some DNP3 objects to support DNP3 level 2.
	Updated DNP3 protocol stack
HART protocol	Added HART commands 15, 35, 38, 40, 44, 48, 54, and 59.
Modbus protocol	Added MODBUS commands 5 and 6.
Function Blocks	Added the following Function Blocks: COM_MSG, COM_MSG_STATUS, HARTT_CFG, HARTT_ST, REG_R_STR, REG_W_STR, ENRON_CFG.
PID	Added enhanced PID function block.

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Known Anomalies

Known anomalies for FRN 1.30

Affected Module	Description of Anomaly
Modbus protocol	When an output is modified from a modbus client, the new value is written to the physical channel, but is ignored by the Application program, due to the way modbus memory spaces are mapped.

Corrected Anomalies

Corrected anomalies for FRN 1.10

Affected Module	Description of Anomaly
DataSite Workbench	When the TDB file in DataSite Workbench and the firmware version do not match, data download to the DataSite controller still proceeds. No error message is displayed.
DS DNP3	When the Event Buffer Len value is set to 2000, only part of the data is uploaded.
	When RS485 communication is used, only part of the data is uploaded.
	The Check Time feature is not available on 1758-FLO controllers.
DNP3 protocol	Set DNP3 in unsolicited response mode and connect to the master via Ethernet. Disconnect the LAN cable. After the LAN cable is reconnected, the DataSite controller cannot send events to the master.
	When float data is read from the DataSite controller, only the integer part may be displayed.
DS FloConfig	Uploading of data via the Ethernet port may fail at times.
DS Settings	In the Set Time dialog box of the Controller Debug function, the Week value is not verified against the Year, Month, and Day values before it is saved.

Corrected anomalies for FRN 1.10

Affected Module	Description of Anomaly
Firmware	ARP commands cannot be sent automatically.
	Access to the Web server is slow.
	There are spurs on the analog output.
	On 1758-RTU controllers, the Modbus registers for the firmware version number and hardware version number do not work.
Modbus protocol	When two DataSite controllers communicate via the COM1 port using the Modbus ASCII protocol, and the protocol on the COM2 port of the master station is set to 'None', download fails and the communication stops.
	When the mode of communication is changed from full duplex to half duplex, communication stops.
	When two DataSite controllers are connected via serial ports, the data bit cannot be set to 5, 6, or 7.

Additional Resources

You can view or download publications at

<http://literature.rockwellautomation.com>.

To order paper copies of technical documentation, contact your local Rockwell Automation distributor or sales representative. Tech Notes and other resources are available at the Technical Support Knowledgebase,

<http://www.rockwellautomation.com/knowledgebase>.

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Rockwell Automation Support

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For an additional level of technical phone support for installation, configuration, and troubleshooting, we offer TechConnect support programs. For more information, contact your local distributor or Rockwell Automation representative, or visit <http://support.rockwellautomation.com>.

Installation Assistance

If you experience a problem within the first 24 hours of installation, please review the information that's contained in this manual. You can also contact a special Customer Support number for initial help in getting your product up and running.

United States	1.440.646.3434 Monday – Friday, 8 a.m. – 5 p.m. EST
Outside United States	Please contact your local Rockwell Automation representative for any technical support issues.

New Product Satisfaction Return

Rockwell Automation tests all of its products to ensure that they are fully operational when shipped from the manufacturing facility. However, if your product is not functioning and needs to be returned, follow these procedures.

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Publication 1758-RN001B-EN-E - February 2011

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