

# AutoSave Change Management

## Support for Rockwell Software **RSLogix**

PRODUCT PROFILE



### PRODUCT OVERVIEW

The AutoSave suite of products provides the software tools needed to manage all your automation programs. It controls and tracks the changes to your industrial programmable devices and program sources including Rockwell Software's RSLogix family of ladder logic programming packages.

AutoSave works directly with the RSLogix software to offer you both an interactive environment and background monitoring, resulting in a comprehensive change management solution. You have complete control over your device programs including:

- On-line, off-line, launch
- Historical tracking
- Automatic change notification
- Quick disaster recovery

### CLIENT / SERVER / AGENT

The AutoSave RSLogix module plugs into the AutoSave client which is installed on each user workstation. An AutoSave server acts as the master control center that coordinates all change-related programming activities and stores PLC project files and an agent provides distributed processing efficiencies for the server.

### ARCHIVED CONTENTS

All necessary RSLogix documentation and program files are saved as a unit and archived. The entire program is restored to the client whenever needed for subsequent use. The archive is comprised of these files:

- RSLogix 5000 - the .ACD file
- RSLogix 500 - the .RSS file
- RSLogix 5 - the .RSP file

### SECURED PROGRAM ACCESS

The AutoSave client interface allows users to access the AutoSave functions using a login and password. At login, the AutoSave server determines the level of access to the different areas and programs permitted to the user and the client PC. Additionally, AutoSave limits access to RSLogix functions not directly related to the launched on-line or off-line edit session in order to contain changes and provide audit trails and historical tracking.

### EDITING OPTIONS

Augmenting AutoSave's standard on-line and off-line 'restricted' functions, the RSLogix modules also provide the Launch Current or Version function that initiates the RSLogix project file and application with NO restrictions, mirroring using the RSLogix application outside of AutoSave for greater flexibility when needed. Note, however, that this can diminish AutoSave's ability to log the various events occurring within the launched application.

### UPLOAD

The client/agent first retrieves the current copy files from the server, uploads the logic and data files from the device, and then compresses the program's files and saves them to the server, creating a new current copy. The AutoSave agent facilitates uploading from a client that cannot communicate directly with the processor or that does not have the appropriate version of RSLogix installed.

### DOWNLOAD

Using the local copy of RSLogix, a client-based download to the device enables the user to select the current copy or any available ancestor or version with which to update the device. A new current copy is established. AutoSave enhances download safety by providing the function only via a context menu and prompting for confirmation before initiating the function. Additionally, our security system enables you to enforce line-of-sight rules by restricting the client PCs that can access specific devices and perform a download.

## UNIQUE MODULE COMPARISON FEATURES

Comparisons are performed by RSLogix's software.

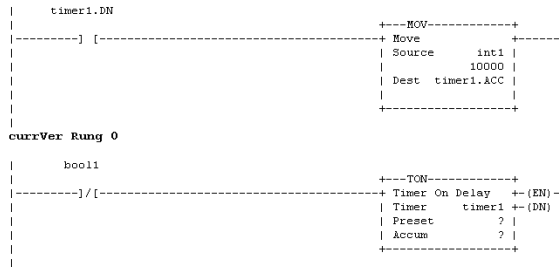
**Logix 5000** - Controller, Datatypes, Tasks, Programs, Routines, Modules, Configs, and configurable tag value compares are provided.

**RSLogix 5 and 500** - Smart logic comparisons of ladders and rungs, configurable datatable comparisons with element level details, and optional documentation file comparisons. Summary and detail information is available.

DIFFERENCES in Ladder for Routine MainProgram/MainRoutine

Current Rung 0 Mismatched to Rung 0 in currVer

Current Rung 0



Data Table Compare Detail

Data Table	Description	Current Copy	Processor Copy	Compare Range	
				Low Range	High Range
S.7/1	Rack 1 Faulted	ON	OFF		
S.7/3	Rack 3 Faulted	ON	OFF		
S.7/5	Rack 5 Faulted	ON	OFF		
S.11/0	Corrupted program file	OFF	ON		
S.32/2	Rack 12 Faulted	ON	OFF		
S.34/1	Rack 21 Faulted	ON	OFF		
S.34/2	Rack 22 Faulted	ON	OFF		
T4.0.PRE		0	32767		
T4.0.BASE		01 sec	1.0 sec		
T4.1.PRE		30	999		
T4.1.BASE		01 sec	1.0 sec		
T4.2.PRE		0	32767		
T4.6.PRE		5	0		
T4.6.BASE		1.0 sec	01 sec		
T4.7.PRE		3	0		

## COMPARISON ON DEMAND

Using RSLogix's software, compare any two revisions of the program, such as current, local, ancestor, or version, to each other or to the processor. As implied by its name, this comparison is done on a demand basis and may be performed from any client with equipped to access the device program.

## AUTOMATED COMPARISON

The RSLogix module allows for scheduled, unattended comparisons of flexibly configured groups of programs. Using RSLogix software installed on the agent to perform the actual upload, AutoSave can compare the device copy to the current copy or compare the current copy to a selected version (permanent, master copy). These modules support the **AutoUpdate** feature that enables AutoSave to update the server with a new current copy if the existing current copy is determined to be different than the device.

## NOTIFICATION

Notification e-mail can be automatically sent to selected users when comparisons or changes are made.

## SUPPORTED DEVICES

RSLogix programming software supports the Allen-Bradley, MicroLogix, and Logix 5000 family of controllers.

## VERSION SPECIFIC MODULES

Separate, version-specific modules are provided to extend AutoSave's on-going support through a site's phased implementation of new editor releases:

- **RSLogix 5** v5 - 8.3
- **RSLogix 500** v5 - 8.3
- **RSLogix 5000** v11 - 13, 14, 15-19

The purchase of AutoSave for a specific RSLogix software package entitles you to use all the package's version-specific modules.

System Highlights	
Client: Real-time Ancestry	✓
Server: Auto Unattended Operation	✓
Agent: Parallel/Distributed Processing	✓
Secured Program Access	✓
Version Control w/file compression	✓
Device Upload	✓
Device Download	✓
Client Highlights	
Compare	✓
Editor Controlled Actions/ User Rights	✓
Editor Launch	✓
On-line & Off-line Edit	✓
Server / Agent Highlights	
Time-Based Scheduling	✓
AutoCompare	✓
AutoNotify	✓
AutoUpdate	✓