

Summary	Installing parameter updates via USB drive				
Products Affected	All Doors with System 4 controllers				
Key Word Tags	USB, Program Update, Sys4				
Tools/Equipment (If Required)	Phillips Screw Driver				
Parts/Materials (If Required)	USB Drive				
Related Media					
Author	Sean C. Morrison	Issue Date	10/1/21	Status	Active

Please Read The Entire Bulletin Before Proceeding

Periodic updates to parameters are sent from Rytec on a USB drive, via traditional mail; they may also be sent as attachments to an e-mail. The updates are downloaded to the controller through the USB port on the top right side of the microcontroller board.

Parameter files are named APPL0001, APPL0002, etc. If you receive multiple files, each must be downloaded in turn.

NOTE: this procedure may be done as part of an update to the System 4 controller software.

Reference *Service Bulletin 249* for the correct sequence of steps to do this.

This procedure explains how to install the new software.

Step 1: Load a USB drive with the updated software

1. *If you did not receive your files on a USB drive from Rytec*, download the software attachments onto a new, blank USB disk that has been formatted as a FAT32.
2. Power down the controller, perform a lockout/tagout, and wait five minutes.
3. Open the control box.
4. If there is a USB drive in the controller port, remove it. You will reinstall it when the parameter update is complete.

Step 2: Download the updated parameter files into the controller



The disconnect must be in the OFF position and properly locked and tagged before performing the next step of the procedure.

1. Plug in the USB drive.
2. Close the control box cover and restore power to the controller.
3. Switch to parameter mode, go to parameter P.999 and set the value to 10 to access Service level parameters.
4. Go to parameter P.944 (Load Parameter File). The default value is 0.

5. Press the RESET button to move to the value side.
6. Press the UP ARROW three times. You move past values 1 and 2 to the first parameter file.
7. **If there is only one file to download**, the download starts immediately. You see a blinking dot on top of the blinking cursor.
If there are multiple files to download, you see the name of the first file: 0001.
NOTE: you can use the UP ARROW and DOWN ARROW to scroll through all the parameter files.
8. If you see the name of the parameter file, press and hold the RESET button until you see the blinking dot.
9. Depending on the size of the file, the download may take several seconds, or several minutes.
10. When the download is complete, the display shows the parameter file name with a checkmark.
11. Press the UP ARROW to go to the next file, then press and hold the RESET button to start the download.
12. Repeat step 15 until all files have been downloaded.
13. Press the RESET button to return to the parameter side.
If you are doing a system update, go the next step in Service Bulletin 249.
If you are only updating parameters, press and hold the RESET button to return to run mode.
14. Depending on which parameters were updated, you might want to set limits. This is not required.
15. Test the door.
NOTE: if you see error messages while testing the door, the error messages indicate that the updated parameters require Rytec level access rather than Service level access. Contact Rytec Technical Support for assistance in getting a Rytec level password, then repeat the download for all files.
16. If you removed a USB drive back in Step 1, turn off power to the controller, perform a lockout/tagout, wait 5 minutes, then swap the old USB drive back in and restore power to the controller.
17. Make sure the control box cover is secured.

If you have any questions please contact Rytec Technical Support at 1-800-628-1909.