

Summary	Replacing the System 3 Control Board				
Products Affected	All Doors with the System 3 Controller				
Key Word Tags	Sys3, Board, Replacement				
Tools/Equipment (If Required)	Terminal Screw Driver, Flat Blade Screw Driver, 10mm Wrench				
Parts/Materials (If Required)	System 3 Control Assy, Per Door R00141006				
Related Media					
Author	Randy Meyer, RevA M. Burzlaff	Issue Date	7/27/2011	Status	Active

Please Read The Entire Bulletin Before Beginning The Procedure



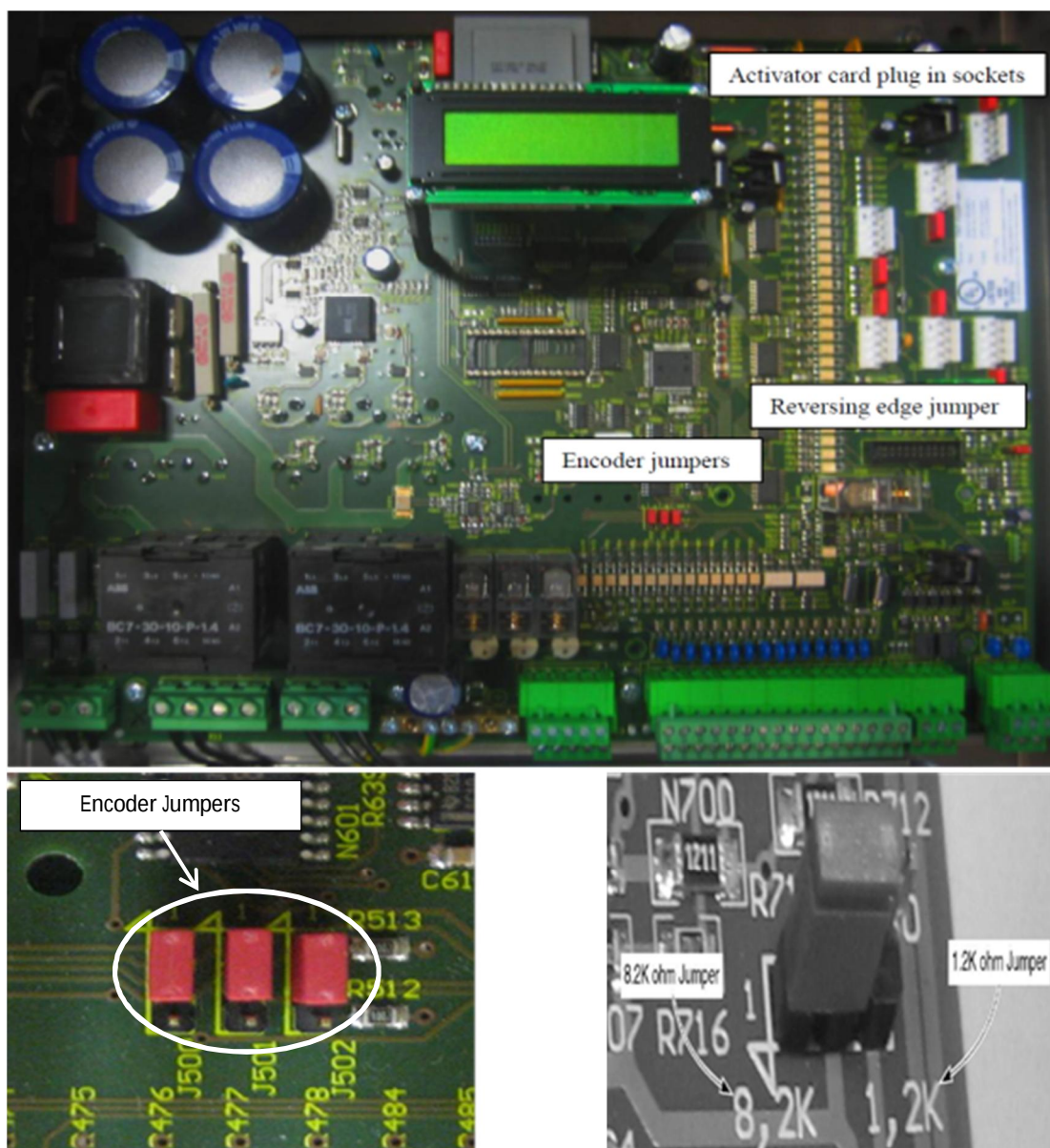
The disconnect must be in the OFF position and properly locked and tagged before performing the next step of the procedure.

The following procedure must be done with the supply voltage turned off and properly locked and tagged out. If you are not familiar with the System 3 control or electrical controls you should not be performing this replacement procedure. After the power is turned off to the control panel wait 30 minutes before beginning the replacement of the System 3 board. The 30 minute wait allows for the capacitors to discharge on the System 3 board. If you begin the replacement process before the capacitors have discharged you may receive an electrical shock from the capacitors.

After waiting for the capacitors to discharge you can now begin the process of replacing the System 3 board.

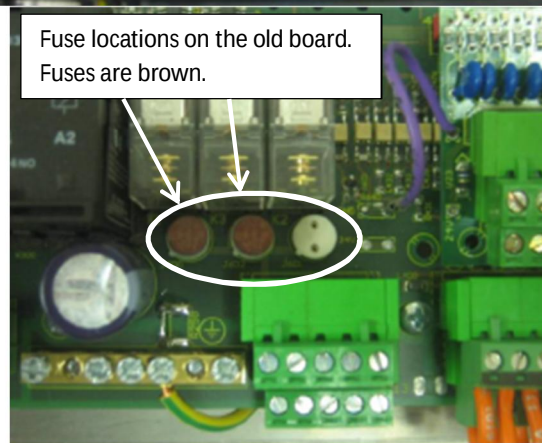
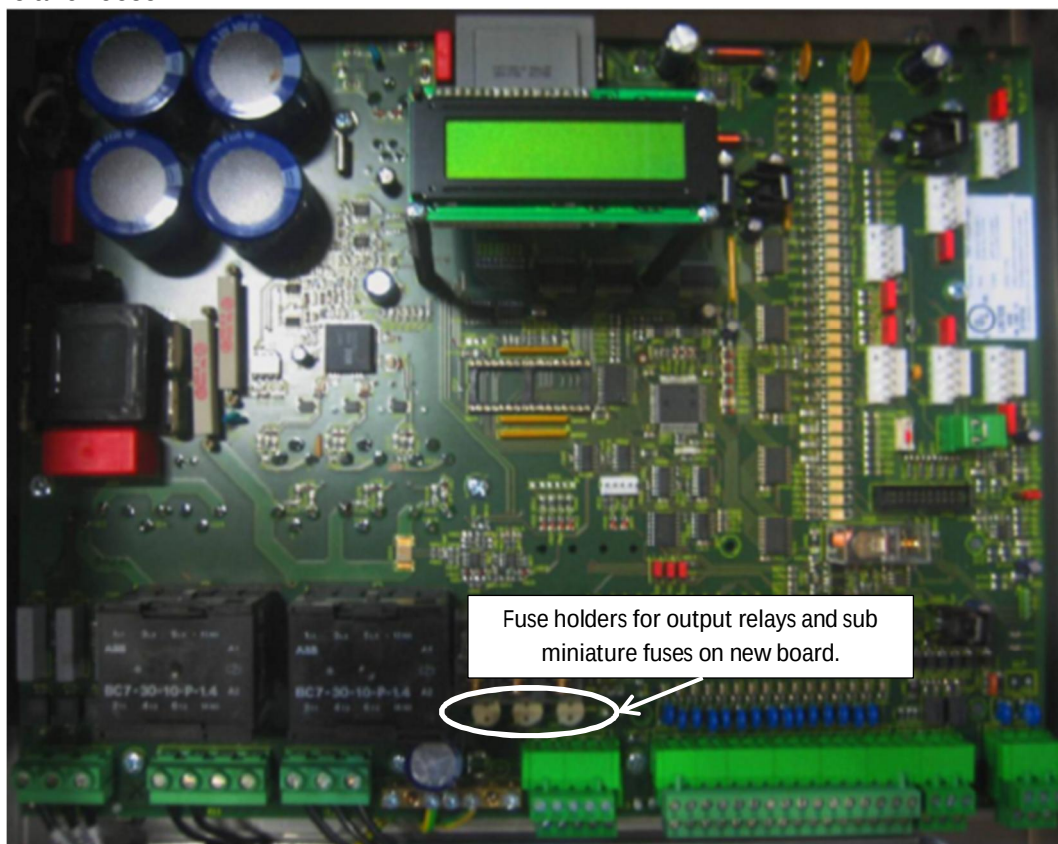
1. Begin by removing the low voltage wiring. The low voltage wiring (24VDC) is inserted into the green terminal blocks on the system 3 board. All these green terminal blocks can be removed with the wires in them by pushing the terminal blocks towards the bottom of the control box. Note: Odd numbered terminal blocks are located on the top terminals and the even numbered terminal blocks are on the bottom terminals.
2. The high voltage wires are screwed into the terminal blocks and will need to be removed. These are the wires labeled L1, L2, L3, B1, B2, T1, T2, T3. NOTE: Some doors also contain a B3 & B4. They'll also need to be removed.
3. There are 4-10mm nuts in each corner of the aluminum sub plate attached to the System 3 control board that will now need to be removed.
4. Remove the old System 3 control board.
5. Install the new System 3 control board and replace the nuts removed in step 3.

6. Install the high and low voltage wires removed in the previous steps.
7. Look at the original System 3 board and find the encoder jumper configuration (three red rectangular boxes), reversing edge jumper configuration (single red rectangular box) and output relay fuses (small brown circular fuse, size of pencil eraser). The new System 3 board must match those jumper configurations. Also remove the fuses from the old System 3 board and install them into the new System 3 control board. See the figures below for jumper configurations and fuse holders.
8. Also remove any floor loop or radio receiver activator cards from the old System 3 board and install into the new System 3 board. These boards will be plugged into the upper right hand corner of the board in the white plug in sockets shown in the picture of the board below.



NOTE: Jumpers may be different on the new board; they must be changed to match the old System 3 control board.

Output Relay Fuses (Sub-Miniature Fuses): If the old system 3 control board has these fuses they must be removed and installed into the new System 3 control board. See the pictures below for location of fuse holders and fuses.



Small brown circles are the sub miniature fuses. If the old System 3 board has them, remove the fuses and install them into the new System 3 control board.

NOTE: Not all System 3 boards contain the sub miniature fuses.

WIRELESS DOORS: You may need to change P:F07 to match the mobile unit address.

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