TECHNICAL BULLETIN

936 Controller Firmware Release: Version v8.0 & v6.0

OPERATOR: All operators using the Nice 936 controller   **DATE:** 06/01/2020

SUBJECT: Instructions for updating 936 controller firmware using a USB storage drive

NEW FEATURES:

Maximum runtime timer:

- The maximum runtime timer only operates during open and close cycles for a learned system.
- The maximum runtime timer expires after 1 minute and is not adjustable.

CHANGES & ENHANCEMENTS:

Updated Inherent Entrapment System (IES) functionality for more accurate obstacle detection.

FIXED ISSUES:

- Erratic obstruction detection corrected; was either too sensitive or not sensitive enough.
- Excessive battery drain caused by stalling near the limit was solved by adding maximum run timer.

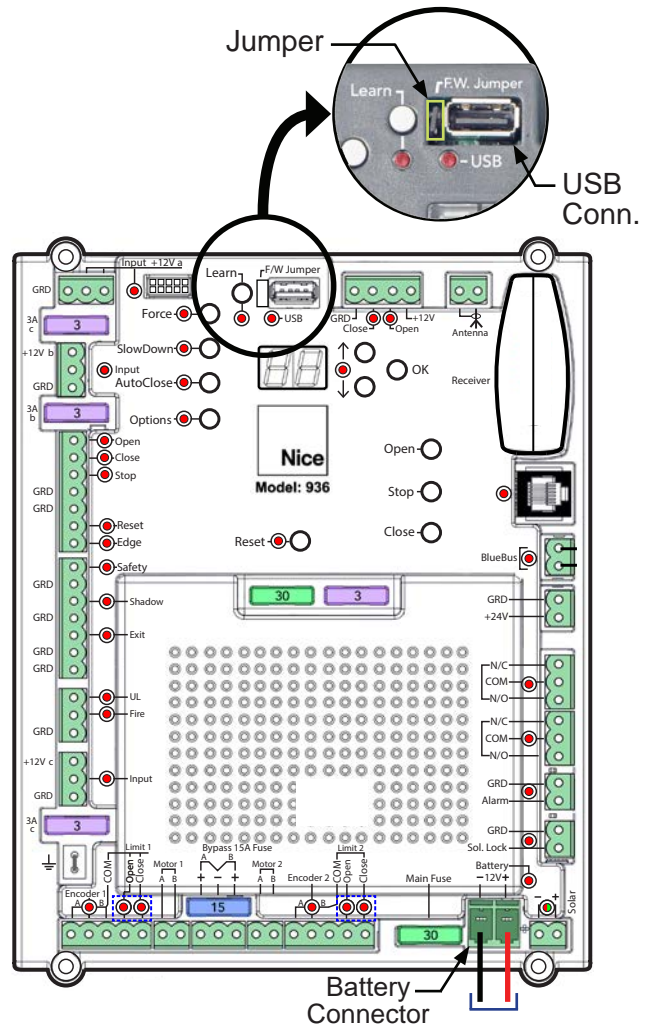## FIRMWARE UPDATE INSTRUCTIONS:

SETUP REQUIREMENTS:
- 936 Controller
- Power Supply (for 936 Controller)
- Firmware update file: **flash_936_App.uc3**
- USB storage drive

1. Download "flash_936_App.uc3" file from https://support.hysecurity.com/hc/en-us/sections/360007581133-Nice-firmware-for-936-and-1050-control-boards and copy the file to a USB drive.

2. Remove the battery power connector from the 936 controller (FIGURE 1).

3. Install a jumper next to the USB port (FIGURE 1).

4. Plug in the USB drive to the USB port (FIGURE 1).

5. Re-connect the battery power connector.

6. After a few seconds, the USB LED turns on and the typical LED startup sequence begins.

7. If the firmware upgrade is successful, the display should show "8.0" for 936US and "6.0" for 936I during the startup procedure.

8. Remove the battery power connector.

9. Remove the USB drive.

10. Remove the firmware jumper.

11. Connect the battery power connector for normal 936 controller operation.

(Continued)

FIGURE 1: 936 Controller

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FACTORY RESET AND RELEARN PROCEDURE:

It is recommended to return system settings to original factory defaults and re-learn the system.

1. Press and hold "Reset" button until "Fd" is shown in display. Display should then show flashing "Lr".
2. While "Lr" is flashing, press and hold open or close button to move the gate to a central position (i.e., not at the open or close limit).
3. Press and hold the "Learn" button until "Lr" is solid on the display.
4. Press "OK" to begin the gate limit learning procedure.

Contact Information:

Visit https://hysecurity.com/technical-support/ for installation manuals, replacement part instructions, part diagrams and more.

Qualified HySecurity distributors are experienced and trained to assist in resolving installation problems. For the name of a qualified distributor near you, call HySecurity at 800-321-9947. *Before contacting your distributor or HySecurity Technical Support, obtain the serial number of your operator.