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# MiTek®

# SERVICE BULLETIN

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Document ID:

## SB289

Title:

## BLADE II Safety Controller Conveyor E-Stop Update

**Affected machinery:** BLADE II™ Saw

**Distribution:** All customers with affected machinery

**Sensitivity:** Customers should not attempt to install this service bulletin. Installation of this service bulletin by anyone other than a MiTek technician will void the machine warranty.

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**CAUTION:**

MiTek recommends printing this document in high resolution using color ink. Many of the graphics may be unclear and may create an unsafe condition if this recommendation is not followed.

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Part # and Rev.	SB289 rev. A
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Revised By	A. McIntire
Rev. Approved By	R. Tucker
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Orig. Created By	A. McIntire
Orig. Approved By	R. Tucker

## Purpose and Scope

MiTek has determined that the BLADE II Auto Deck chain conveyor and Incline Conveyor belt will continue to run for approximately 7 seconds after an E-stop is activated. This issue can be addressed with an update to the Safety Controller program.

This service bulletin instructs how to update the Safety Controller program using the Banner configuration software. It also covers updating the Safety Controller password to allow customers to access the controller as needed in the future.

**NOTE:** The Banner safety controller configuration software and config file (92277-503a.xsc) must both be downloaded onto your MiTek laptop in order to complete these instructions. The following links will take to the network drive locations where the files are stored. You must be logged into the VPN for access. The Banner software must also first be installed to interact with the configuration file.

This document also references passwords that must be entered into the Safety Controller. The current password and the updated password can be found in [this document](#) (MiTek credentials required) and in the master comments for SB289KIT.

Banner Configuration Software:

[\\ent.mitekindustries.com\Location\FountainLakes\Machinery\ENG\Machinery\Software\Banner Safety Controller XS26\Revision 5\\_3](\\ent.mitekindustries.com\Location\FountainLakes\Machinery\ENG\Machinery\Software\Banner Safety Controller XS26\Revision 5_3)

Configuration File:

<\\ent.mitekindustries.com\Location\FountainLakes\Machinery\ENG\Machinery\Software\PLC-ARC\P0079 Blade Saw Gen2\Safety Controller>

## Overview

### Parts Included

The parts included in this kit are shown in [Table 1](#). Please make sure all parts and supplies are present before starting the procedure.

Table 1: Parts in SB289KIT

Quantity	Description	Part #
1	Service bulletin document	SB289

If you have any questions, call MiTek Automation Support at 1-800-523-3380.

### Supplies Needed

- USB cable - type A to micro (see [Figure 2](#) for example)
- Laptop with Banner safety controller software. See [Purpose and Scope on page 2](#) for links to files.

## Procedure

	 <b>WARNING</b>
	<p><b>ELECTROCUTION HAZARD.</b></p> <p>All electrical work must be performed by a qualified electrician.</p> <p>If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.</p> <p>Pneumatic and hydraulic components may move unexpectedly if not de-energized. Physically restrain any components capable of movement when working on or near those components.</p>



## Programming Safety Controller

1. Power on the saw. Instruct all personnel to not interact with or stand near the saw while maintenance is being conducted.
2. Facing the electrical enclosure at the rear of the saw, open the left door. The location of the safety controller is shown in [Figure 1](#). It may take a brief amount of time for the safety controller to finish booting.

Figure 1: Safety Controller Location (Left Enclosure Door)



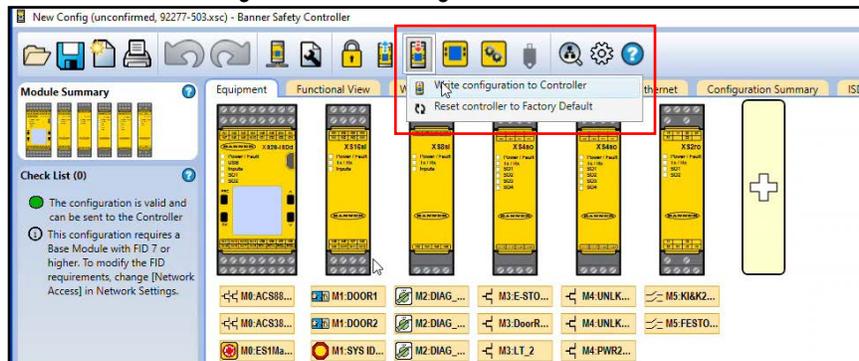
3. Connect your laptop to the safety controller unit with the LCD display using the USB type A to micro cable. See [Figure 2](#).

Figure 2: Safety Controller USB Port and USB-A to Micro Cable



4. Double left-click the **92277-503a.xsc** config file to open the Banner software.
5. Select **Write Configuration to Controller** in the toolbar dropdown.

Figure 3: Write Configuration to Controller



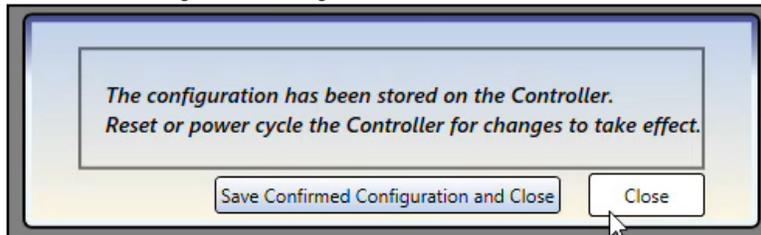
6. Enter password in the password field and select **OK**.
  - See [this document](#) (MiTek credentials required) for login information.

Figure 4: Password Field



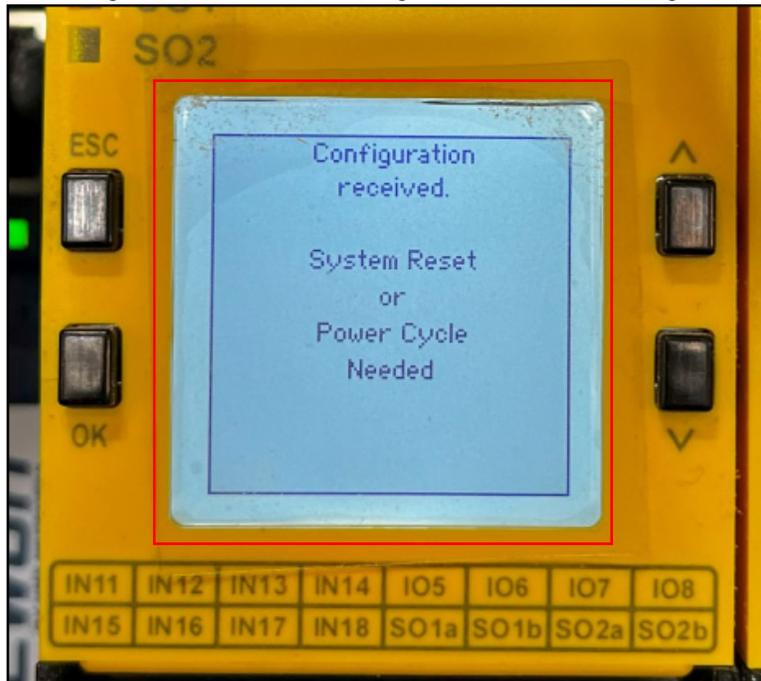
7. Select **Continue** when a window with the following text appears:  
**Continuing will force safety outputs to turn-off.** A progress bar will appear.
8. Once the progress bar completes and the following window appears select **Close**.

Figure 5: Configuration Stored Confirmation



9. Once the configuration has been stored, the following message will appear on the safety controller display:

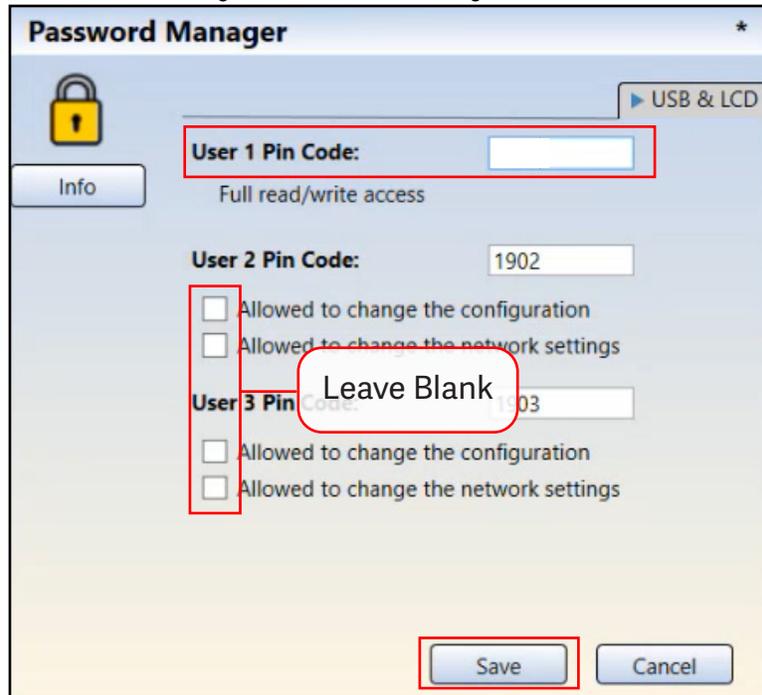
Figure 6: USB Port and Configuration Received Message





14. In the **User 1 Pin Code** field, enter the updated password and select **Save** (see [this document](#) for the updated password). Leave all checkboxes blank.

Figure 9: Password Manager Screen



15. Select **Continue** when a window with the following text appears: **Continuing will force safety outputs to turn-off**. A progress bar will appear.
16. Repeat steps 10 through 13 to power cycle the Safety Controller.
17. Open **Password Manager** again to confirm the password has been updated.

## Test Procedure

1. Start the BLADE software.
2. Go to **Diagnostics > Detailed Diagnostics > Machine** and select **On** (under Waste Conveyor) to start the Waste and Incline Conveyors.
3. Activate an E-stop.
4. Verify that Incline Conveyor shuts off instantly.
5. Release the E-stop and press the Reset button on the operator interface to return to normal operation.
6. Repeat steps 1 through 5 with all other E-stops to verify functionality.
7. Send a message to MiTek Support ([dawood.bagheri@mii.com](mailto:dawood.bagheri@mii.com)) with the machine frame number and a confirmation that safety controller update is complete.

The frame number can be found on the infeed end of your saw as shown in [Figure 10](#).

Figure 10: BLADE II Frame Number Example



**END OF SERVICE BULLETIN**