

Changing the Program and Performing a Program Update

Updating the Primary and Standby

The program includes the configuration table, I/O map, configuration extensions, segment scheduler, all .EXE loadables and the entire state RAM, including user logic.

Note: Program downloads:


- Change program means: a complete program change.
- Update program means: to update the user logic


If you reprogram your Primary controller or replace the Standby controller, you may use the update feature to copy the full program of the Primary controller to the Standby. This feature not only saves time, but also ensures that the controllers have identical user logic.

If program changes include any of the above, or replacing the Standby controller, the Standby must be in dim awareness before a keyswitch update can be performed

Note: A program update can only be performed from the Primary controller to the Standby. The Standby controller cannot update the Primary.

Note: To put the Standby into dim awareness, remove the battery for at least 5 minutes.

	CAUTION
	Battery Hazard Whenever installing a new controller, be sure its battery has been disconnected for at least five minutes. Failure to follow this precaution can result in injury or equipment damage.

	CAUTION
	Program Change Hazard To change the program, you must stop both controllers and take the Standby controller Off Line. Failure to follow this precaution can result in injury or equipment damage.

Before You Begin:

To download a new program to your Primary controller, you must stop the Standby controller as well.

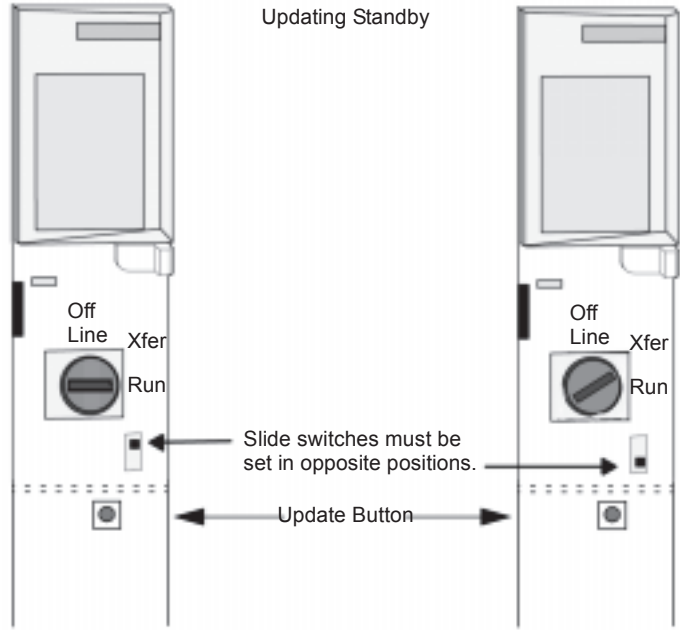
The Standby CHS 110 module must be in Off Line mode. Make any changes to the program. Then follow the steps below to copy the new program to the Standby controller.

Updating Standby Procedure

The following table demonstrates how to update the Standby procedure.

Step	Action
1	Put the Primary controller in Run mode. Be sure the Standby controller is still stopped and Off Line.
2	Push the update button on the Standby unit. Hold the button down.
3	Turn the key on the Standby CHS 110 module to Xfer. This prepares the Standby unit to receive the update

Updating Standby

Step	Action
4	<p>Turn the key to the mode you want the Standby unit to be in after the update, Run or Off Line.</p> <p>Result: The amber Standby indicator begins to blink.</p> 
5	<p>Release the update button.</p> <p>Result The Primary controller begins copying its full program to the Standby. The Standby indicator on the Standby unit continues to blink as the module processes the update. When the update is completed, the CHS 110 Hot Standby module instructs the Standby controller to return to the mode you have set, Run or Off Line. If the Standby unit is in Run mode, the Standby and Com Act lights are lit. If the Standby unit is offline, neither indicator is lit. The Standby now has a program identical to the Primary unit.</p>
6	<p>Remove the key and store it in a secure place.</p>