

# SUPPLEMENTAL INSTRUCTIONS

## Secondary Alarm Board Upgrade Kit 8620-323

### Overview

MC5600-BC upgrade kit 8620-323 is for use with the MC5600-C Series controller. This kit, when used along with kit 8620-321, will convert the MC5600-C controller into an MC5600-BC (see Table 1).

The 8620-323 kit consists of:

- 8612-069 Secondary Alarm Board
- 11" Cable
- Standoff Purse Lock Wire Tie
- Phillips Head Screws (4)
- Upgrade Identification Label
- 7960-898 Supplemental Instructions

The MC5600-C controller includes features for remote communication and alarming using the Ethernet port located on the back of the display. The 8620-323

upgrade kit allows the user to expand the alarming capability of the controller by adding additional NO/NC alarm dry contacts. See the latest version of MC5000 Series Installation and Operation Instructions 2100-746 for the full list of alarms located on the secondary alarm board.

This upgrade kit, along with kits 8620-321 and/or 8620-322, can also be used to convert an MC5300-C or MC5300-BC controller into an MC5600-BC (see Table 1).

### Installation

**IMPORTANT:** Bard recommends the use of personal grounding straps to prevent static electricity shorts to electronic controls.

1. Disconnect power to the controller by disabling power to all connected units.

**TABLE 1**  
**MC5000 Series Controller Upgrade Kit Matrix**  
**(MC5300 controls up to Three Wall-Mount Units/MC5600 Controls up to Six Wall-Mount Units)**

Controller	MC5300-BC	MC5600-C	MC5600-BC
MC5300-C	8620-321	8620-322	8620-321, 8620-322, 8620-323
MC5300-BC*	--	8620-322	8620-322, 8620-323
MC5600-C	--	--	8620-323
MC5600-BC	--	--	--
<b>Upgrade Kit</b>			
8620-321	Includes 8612-068 Main Alarm Board		
8620-322	Includes 8612-067 Secondary I/O Board		
8620-323	Includes 8612-069 Secondary Alarm Board		

\* Includes main alarm board

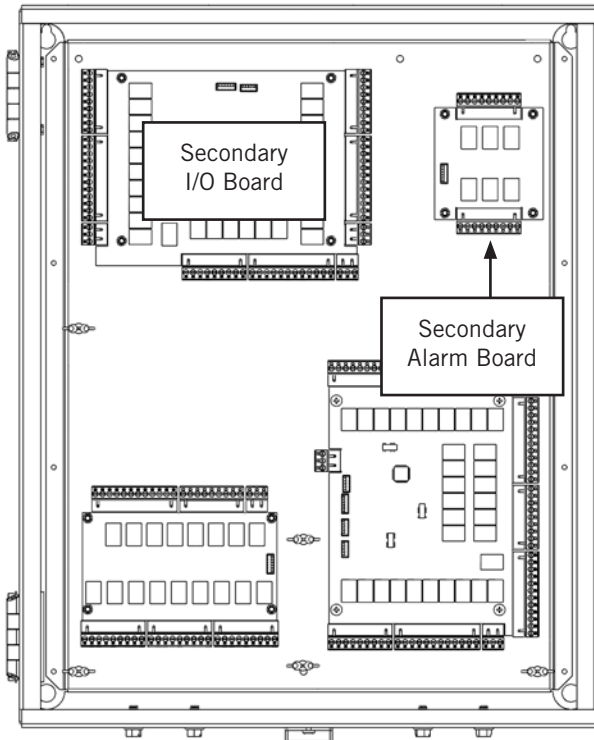


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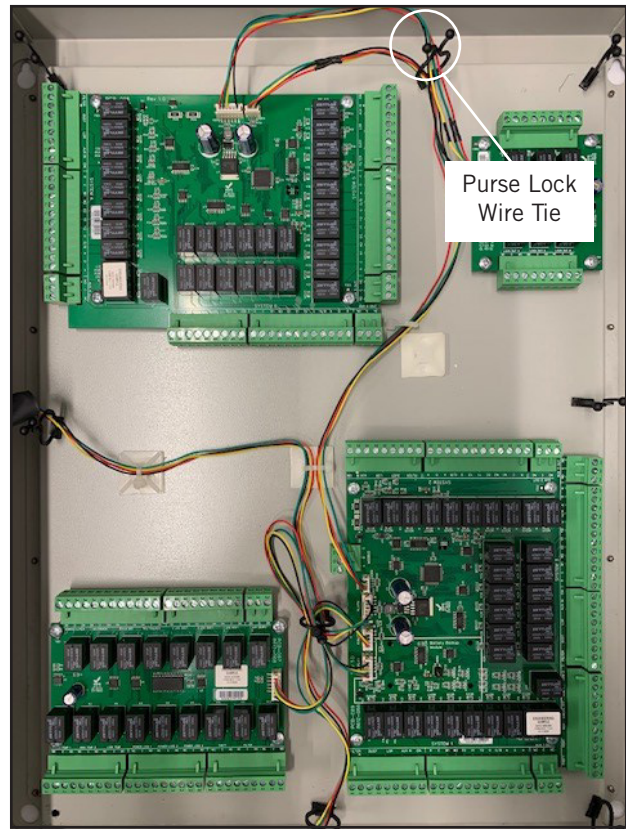
- Open door of controller and locate the pre-drilled holes on the top right of the controller back. Using the screws provided, attach the secondary alarm board to the back as shown in Figure 1. Make sure that all four stand-offs on the back of the board are attached (stand-offs are supplied attached to the board).

**FIGURE 1**  
Mount Alarm Board to Controller Back

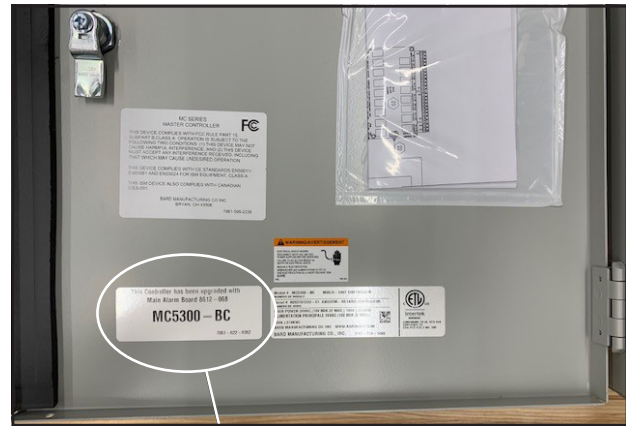


- Plug one end of the 11" cable into the secondary alarm board and the other end into the secondary I/O board as shown in Figure 2. The port is labeled 2ND ALARM BOARD on the secondary I/O board and the plugs are designed to fit only one way.
- Place purse lock wire tie in pre-drilled hole located above and to the right of the secondary I/O board to secure all loose wiring for neatness (see Figure 2).
- Attach upgrade identification label to the inside door of the controller as shown in Figure 3. Place the label to the left of the controller model/serial label. This label will indicate what upgrade kit is installed in the controller.
- Reapply power to the controller by reapplying power to all connected units.

**FIGURE 2**  
Use Cable to Connect Boards



**FIGURE 3**  
Place Upgrade Identification Label on Inside of Door



Upgrade Identification Label

**NOTE:** Label shown above for placement purposes and may not be representative of actual label used in kit.

After the secondary alarm board has been installed, see the latest version of MC5000 Series Installation and Operation Instructions 2100-746 for information on setting the correct number of units that the controller is controlling.