



Helpful Hints clear & easy

078

426 Industrial Boulevard • Kearneysville WV 25430-2776 • USA
 Telephone: +1 304 728 7056 • technicalinquiry@royalvendors.com
 Toll-free in North America: 1 800 931 9214 • Fax: +1 304 725 4016
 Canada: +1 905 738 5777 • Mexico: +52 55 5203 6887
 Europe: +49 2158 95 1000 • Australia: +61 2 9890 5433

Page: 1 of 2

Date: 22 Dec 2015

Revision: 00

SUBJECT: GIII Controller Chute Sensor Adjustment

MODELS: All GIII / GIII Plus models

TOOLS REQUIRED: Flat screwdriver

ESTIMATED TIME: <2 minutes

Number of
People
Required



The following areas of this vender contain voltage which can cause serious injury or even death: the main power cord, supplying 115-230 VAC to the evaporator, EMI filter, refrigeration system, monitor, and computer; the power line from the EMI filter to the ballast and transformer; and the ballast, which can produce upwards of 600 volts. Remove all power from the vender before working in any of these areas.

INFORMATION: This document describes the correct procedure for adjusting the sensitivity of the chute sensor on venders with GIII controllers.

KO Controller (blue mode button):

Located near the control board's chute sensor connector at position R126 is the sensor adjustment trimpot, which includes an adjustment screw. (See Figure 1, on page 2.) The trimpot is used to adjust and fine tune the sensor. Located adjacent to the trimpot is the sensor adjustment LED indicator light, at position LED1. The indicator light is mainly used to aid in adjusting the sensor, but can also be used to test its operation during product impact.

FACTORY SETTING

Piezo sensor (flat, newer-style sensor)

1. Turn the adjustment screw clockwise until the indicator light comes on.
2. Turn the screw counterclockwise until the light just goes out completely.
3. Continue to turn the screw counterclockwise 3/4 of a turn (one full turn is 360°).
4. Test vend columns 7 and 12 for proper function.

Impact sensor (hat-shaped, older-style sensor)

1. Turn the adjustment screw clockwise until the indicator light comes on.
2. Turn the screw counterclockwise until the light just goes out completely.
3. Continue to turn the screw counterclockwise 1 1/2 turns (one full turn is 360°).
4. Test vend columns 7 and 12 for proper function.

GII VII / EVS Controller (red mode button):

Located next to the control board's mode button at position R15 is the sensor adjustment trimpot, which includes an adjustment screw. (See Figure 2, on page 2.) The trimpot is used to adjust and fine tune the sensor. Located adjacent to the trimpot is the sensor adjustment LED indicator light, at position LED1. The indicator light is mainly used to aid in adjusting the sensor, but can also be used to test its operation during product impact.

FACTORY SETTING

Piezo sensor (flat, newer-style sensor)

1. Turn the adjustment screw clockwise until the indicator light comes on.
2. Turn the screw counterclockwise until the light just goes out completely.
3. Continue to turn the screw counterclockwise 3/4 of a turn (one full turn is 360°).
4. Test vend columns 7 and 12 for proper function.

Impact sensor (hat-shaped, older-style sensor)

1. Turn the adjustment screw clockwise until the indicator light comes on.
2. Turn the screw counterclockwise until the light just goes out completely.
3. Continue to turn the screw counterclockwise 2 turns (one full turn is 360°).
4. Test vend columns 7 and 12 for proper function.

**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT
 IN NORTH AMERICA, CALL TOLL FREE 1 800 931 9214**



426 Industrial Boulevard • Kearneysville WV 25430-2776 • USA
Telephone: +1 304 728 7056 • technicalinquiry@royalvendors.com
Toll-free in North America: 1 800 931 9214 • Fax: +1 304 725 4016
Canada: +1 905 738 5777 • Mexico: +52 55 5203 6887
Europe: +49 2158 95 1000 • Australia: +61 2 9890 5433

SUBJECT: GIII Controller Chute Sensor Adjustment

MODELS: All GIII / GIII Plus models

Adjustments after factory setting:

For multiple vending, make sure the sensor is adjusted to the factory specifications as listed above. Next, turn the adjustment screw clockwise 1/8 turn (piezo sensor) or 1/4 turn (impact sensor) to increase sensitivity. Test vend columns 7 and 12, and watch the light on the board for a good on and off flash. If still multiple vending, turn the adjustment screw an additional 1/8 turn (piezo sensor) or 1/4 turn (impact sensor) clockwise until proper adjustment is made.

For dry vending (cancelled credit with no product delivery) from all columns, make sure the sensor is adjusted to the factory specifications as listed above. Next, turn the adjustment screw counterclockwise 1/8 turn (piezo sensor) or 1/4 turn (impact sensor) to decrease sensitivity. Test vend columns 7 and 12. If still dry vending, turn the adjustment screw an additional 1/8 turn (piezo sensor) or 1/4 turn (impact sensor) counterclockwise until proper adjustment is made.

Figure 1. KO controller

The white arrow points to the trimpot (position R126) and adjustment screw. The yellow arrow points to the indicator light (position LED1, lit in this photograph for visibility). The red arrow points to the service mode button at position SW1.

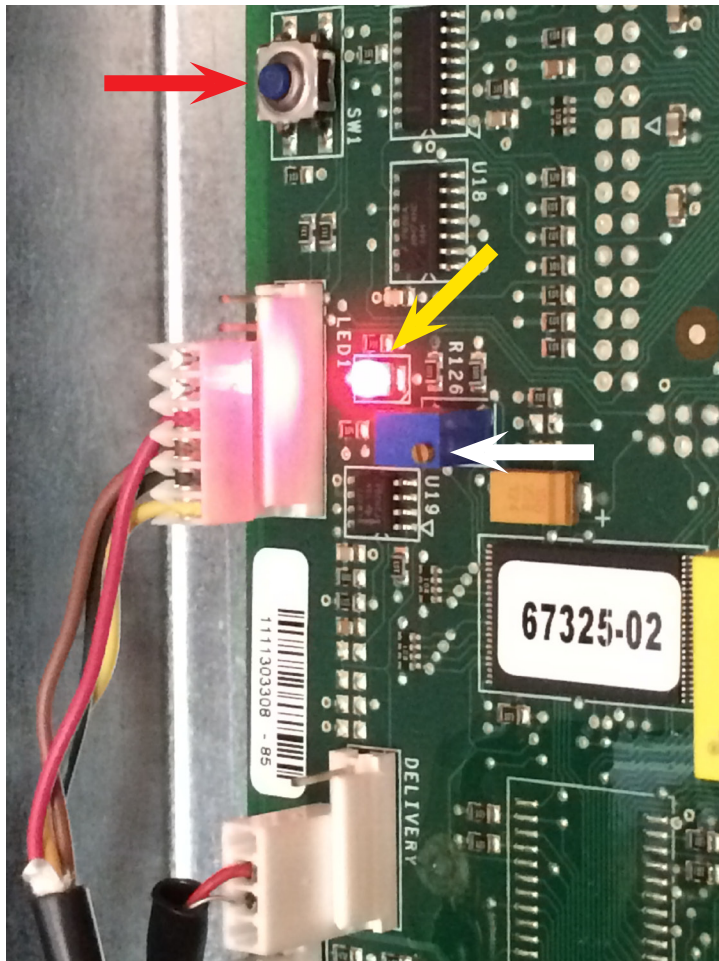
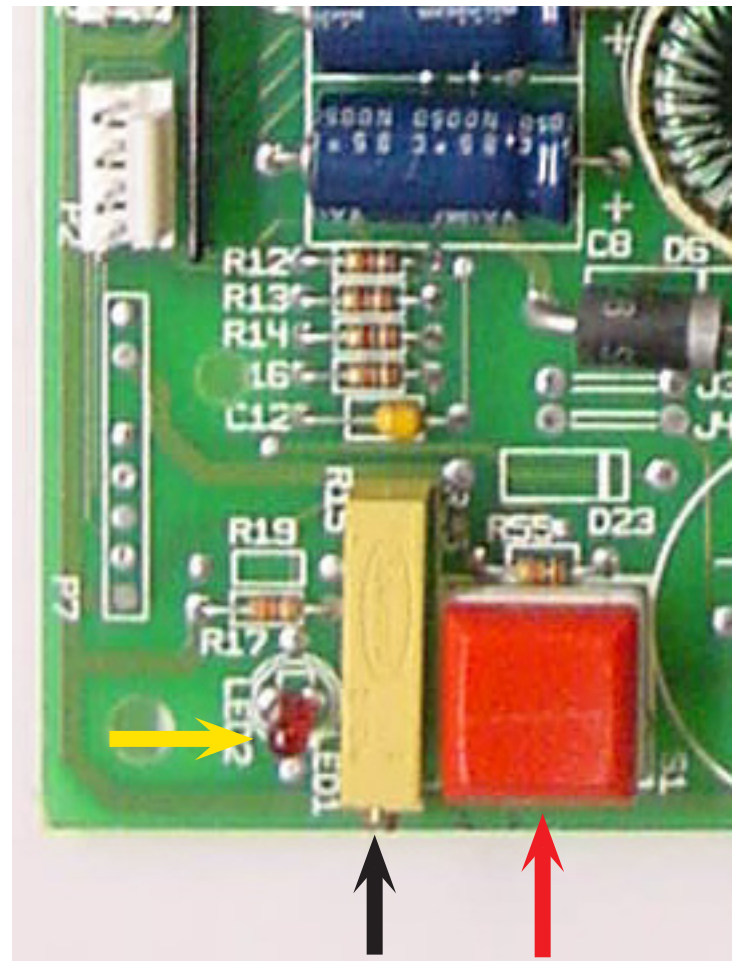


Figure 2. GII VII / EVS controllers

The black arrow points to the trimpot (position R15) and adjustment screw. The yellow arrow points to the indicator light (position LED1). The red arrow points to the service mode button at position S1.



**ANY QUESTIONS? CONTACT ROYAL VENDORS' CUSTOMER SERVICE DEPARTMENT
IN NORTH AMERICA, CALL TOLL FREE 1 800 931 9214**