Standard
Change-Makers
A DIVISION OF
RKU Standard Incorporated

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Toll Free: 1-800-968-6955
www.standardchange.com

GUARDIAN XP (GXP)

Installation Guide

8M00551 Rev. 7

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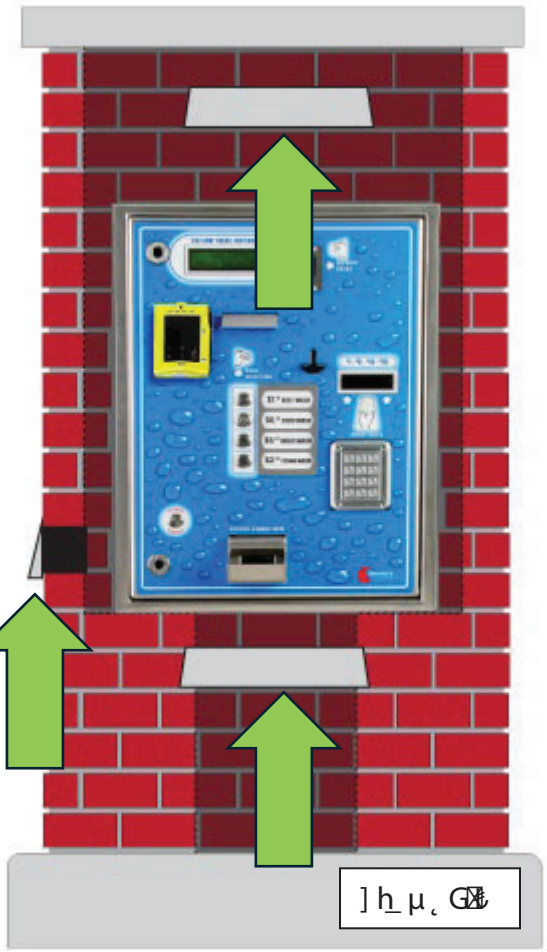
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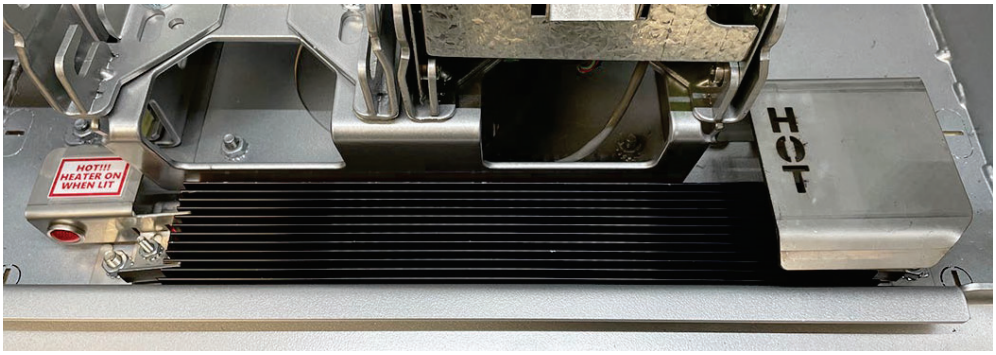


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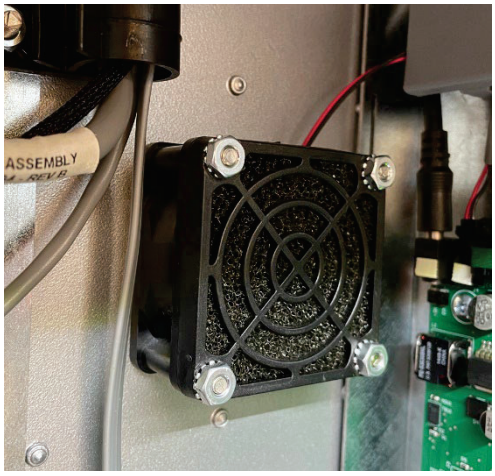
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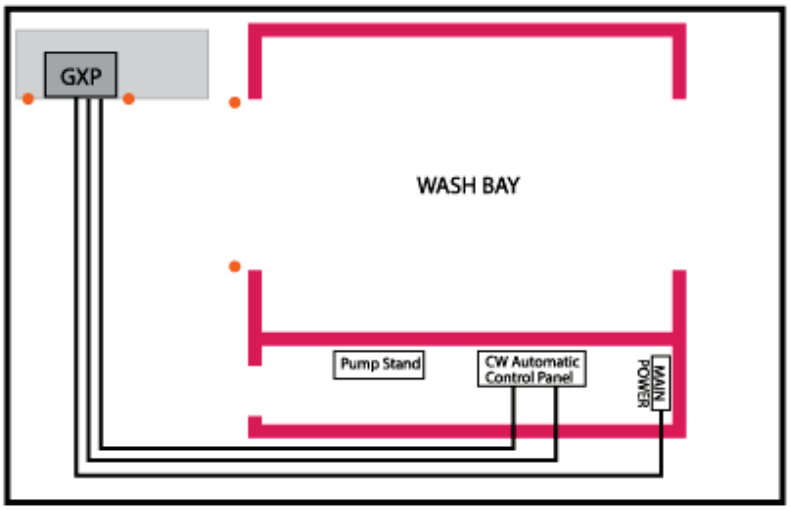
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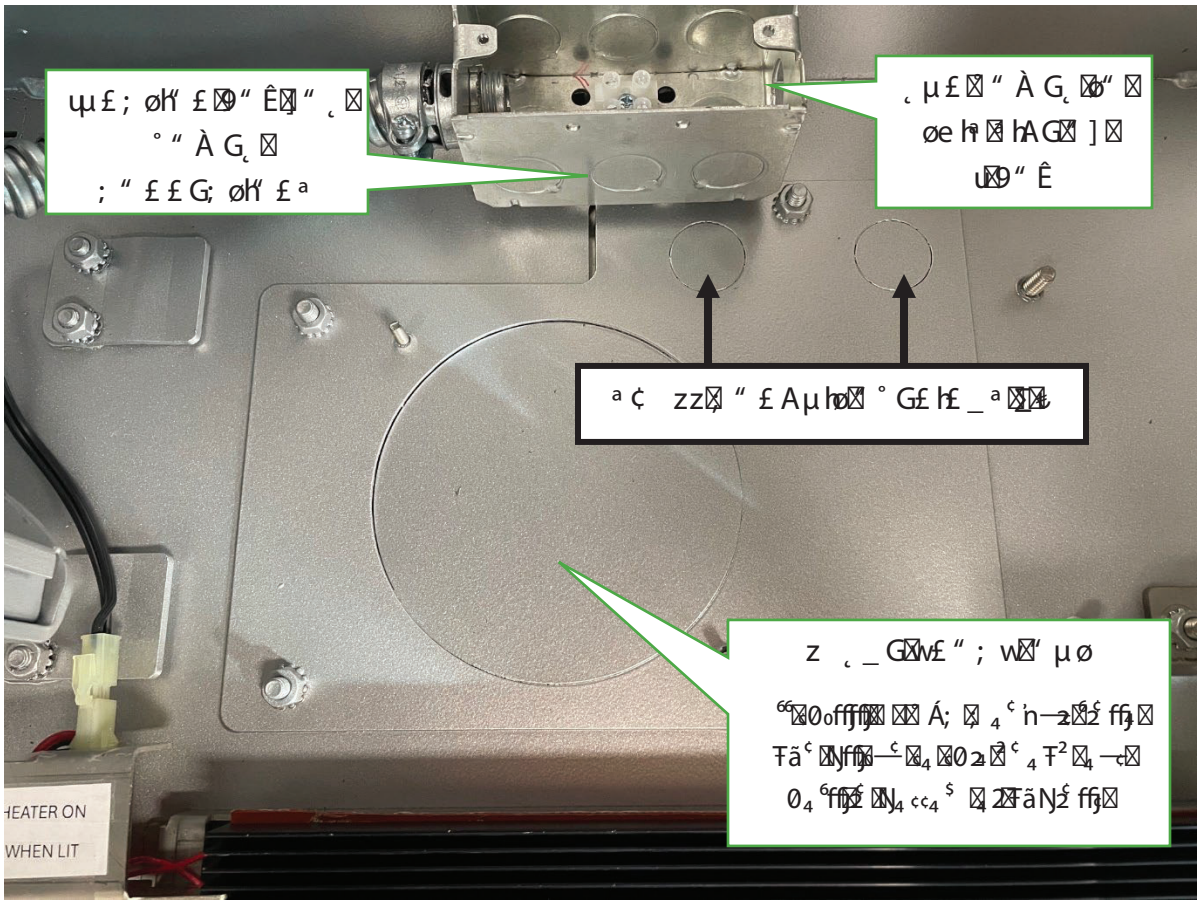


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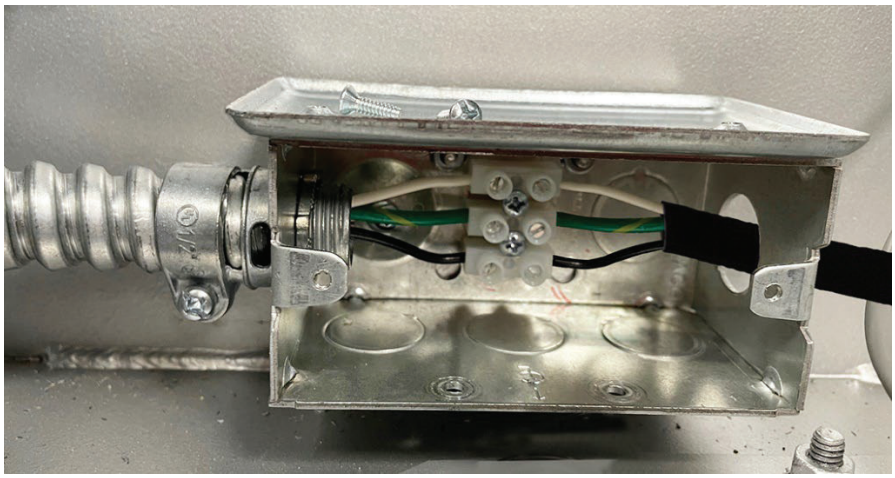
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ª —o3ffj o4 ¢ffF¢2¢

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- ; 4 ¢ ¢ ffF¢2 3 0ffj ãT02 ffj2 ã $ ffj4 ã 4 o4 —¢ ṅ¸ 4 ṅ4 Tã¢ffj ã¢4 o ffã o 0ffj
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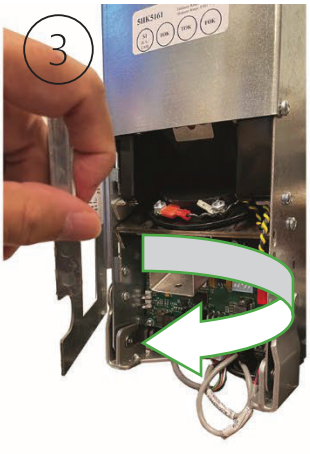
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2 4 ¢ã6 ã¢2 4 ¢ 0ffj2 4 6 4 ◊ 2 3 4 ¢ffj 4 ã - 6 4 o ffj ão ffj0 ffj ã N2 ffj2 4 o ã¢ Δ4 2 0ffj 4 —¢ 2 3
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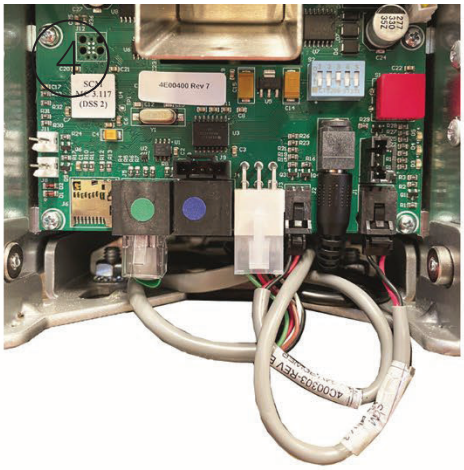



TOMATICALLY AFTER
LECTION IS PAID

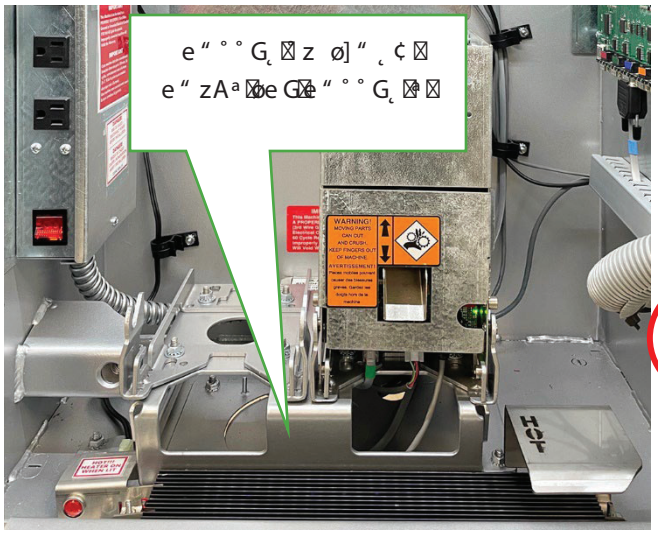

1
WARNING!
MOVING PARTS
CAN CUT
AND CRUSH.
KEEP FINGERS OUT
OF MACHINE.

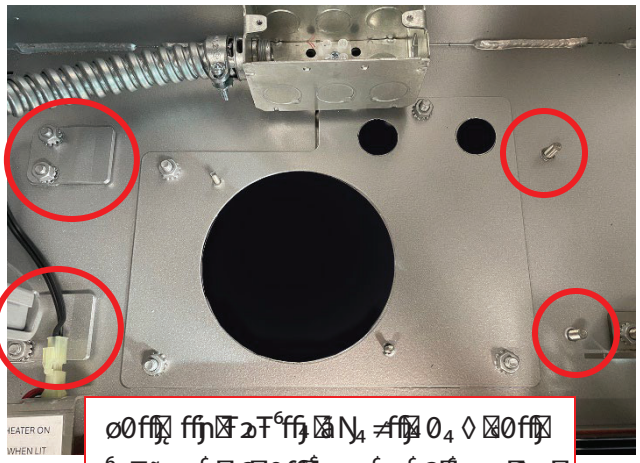

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4E00400 Rev 7

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¢0ffl0₄ - - ffl ⁶ã¢₂₄ o$

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ª ¢ã¢ ¹n ã o ¹n 0ã¢ 3ffl ¢ ã² ffl ₄ ffl ƒ⁶⁶₄ ₂₄ —o ₄ —¢₂ 3 N ã₄ ffl ₂₄ o 0ffl ffl ₄ ¢ã¢ ¹n 2 3 - - ⁶ F ã¢₂₄ ¢ ₄

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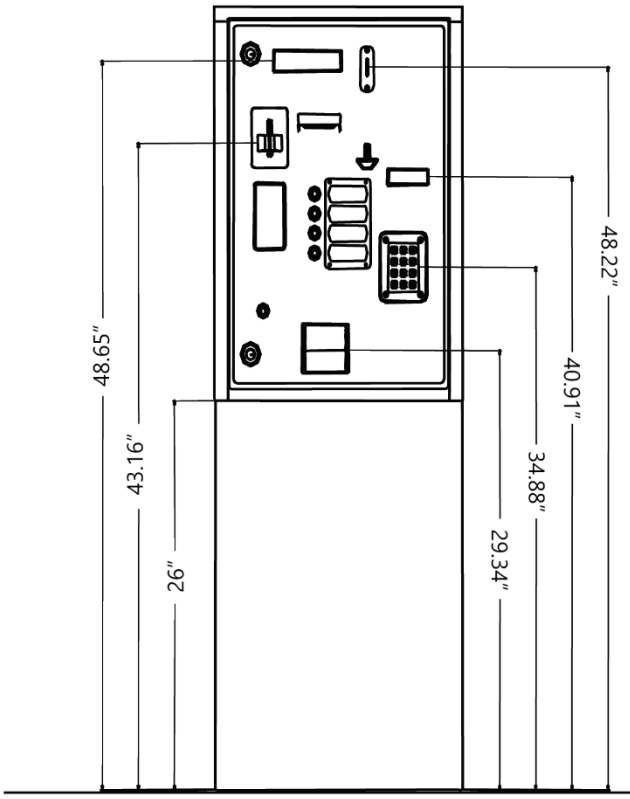
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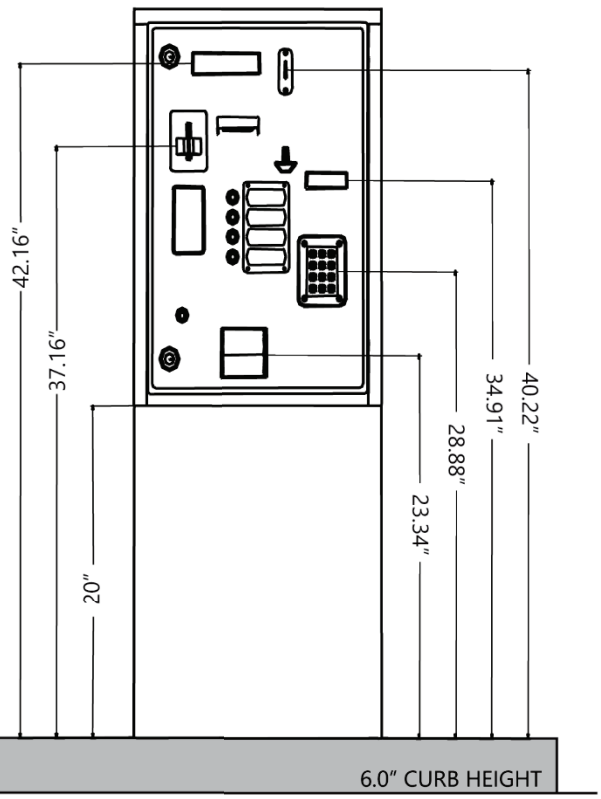
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GXP - CURB MOUNTING and SURFACE MOUNTING ON STEEL BASE

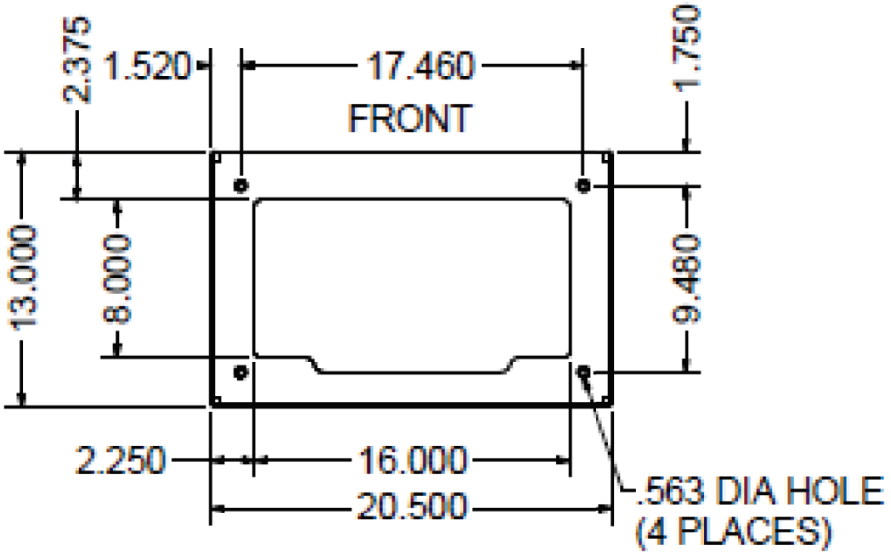
SURFACE MOUNTED (26” Base)



CURB MOUNTED (20” Base)

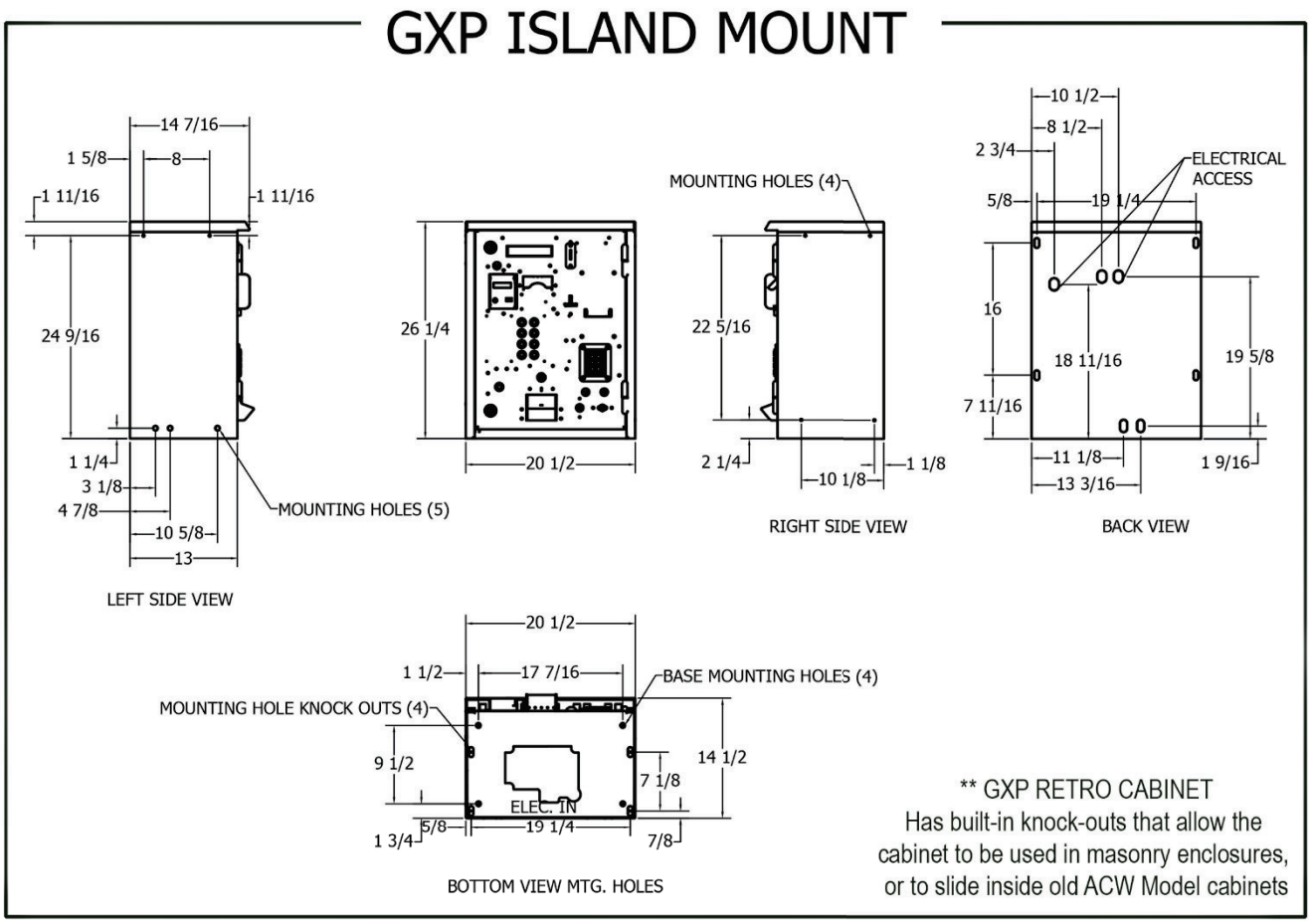


BASE MOUNTING DIMENSIONAL INFO



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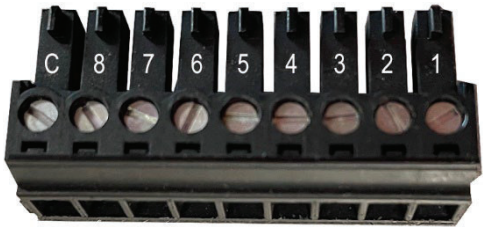
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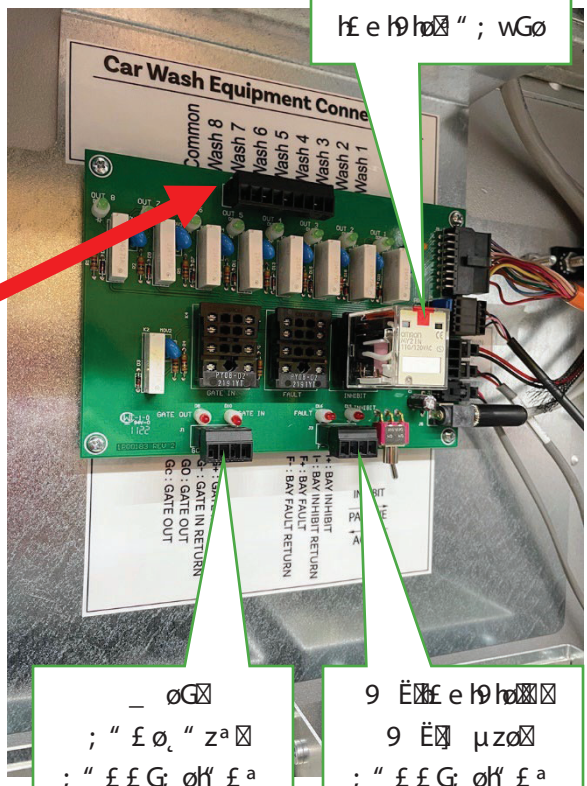
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ø0ffj_ Ê° ¼ffjãÀ ffjãΔ9₄ãoìn¼₄Tãcffjn¼ c 0ffjNãT² ã 6₄2ø0ffjTãNz ffj¼₄oã 6Tãoø ã40¼ffj —2 $ ffj c¼ T₄ c c ffjFc2₄ c ₄¼0ø2¼ ffjãΔ9₄ãoìn¼ o₄≠ìnffjãNffjcffjø¼ffffjnNãT²¼₄¼0ffj_ Ê° ¼¼G] ₽¼ ₄ c c o₄ 6¼9₄ãoìn¼Gã T0¼ ◊ ã40¼ffjffjFc2₄ c ¼ 2ffjø0ã4¼2₄ 6z ìn2Tãc₄ o6z30c¼0ãc o₄≠ìnffjãNffjcffjø¼ffffjnNãT²¼₄¼0ffj¼ffjF0c 2Fãc ¼ 0ffj ¼ c o₄ —Ny6ffj0₄₄c2 3¼

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ø0ffj¼À ã40¼9 ãΔ¼ì 0zNz¼¼¼¼ã c ìn¼¼¼¼ffj —2ffjãÀ ffjãΔ¼Yffjz ₄ffjcffjn¼z ¼0ffj¼ ffjãΔ¼ì 0zNz¼ ₄T² ffj¼ 6₄Tãcffjn¼n2ffjFc6Δ¼aN₄≠ffj¼0ffj¼ffj$ 2 ã6¼T₄ c c ffjFc2₄ c ¼¼₄T² ffj¼T₄ c c ffjFc2₄ c ¼ c ¼0ffj¼230c¼¼

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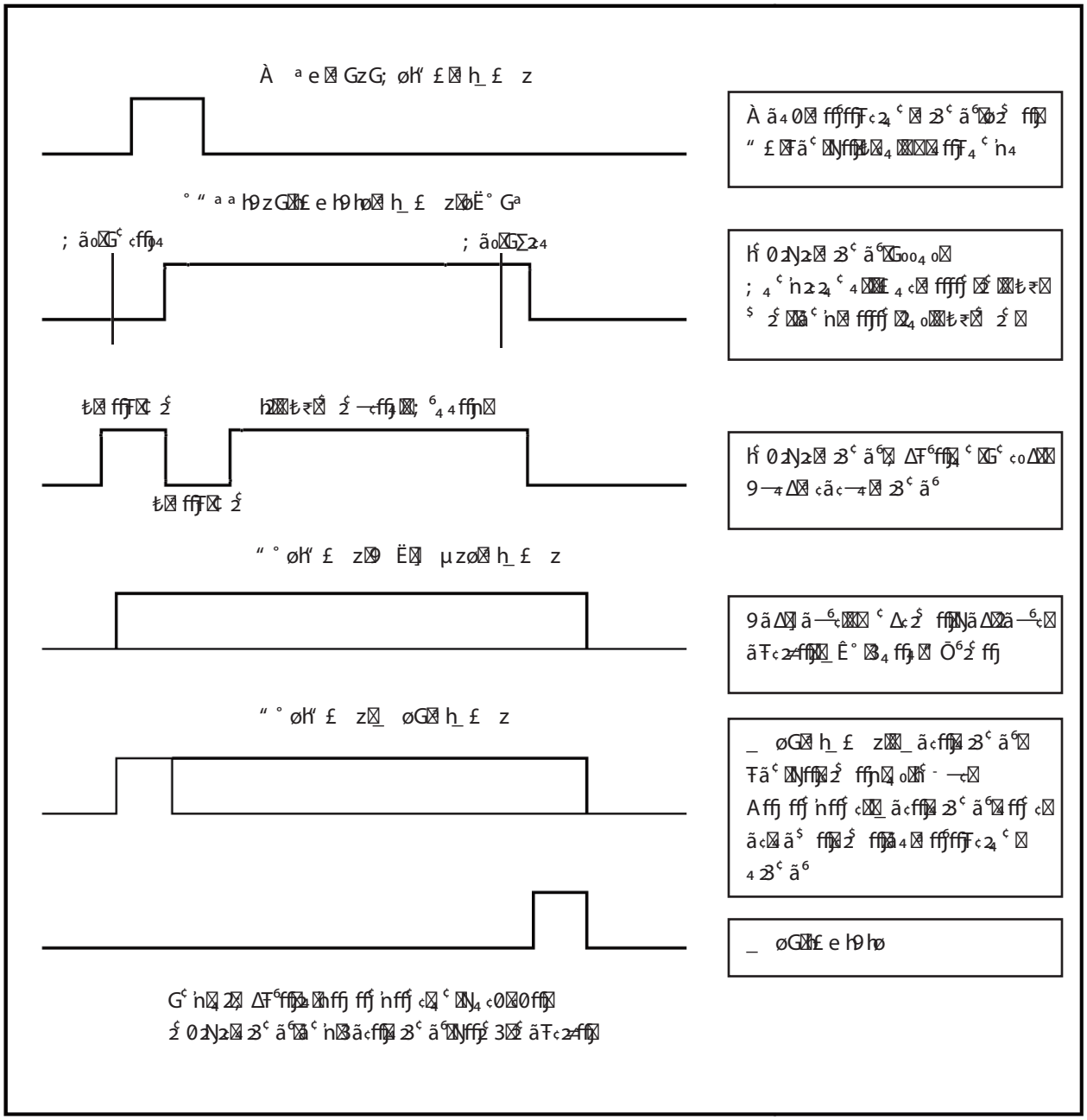
¼¼ 66¼_ Ê° ¼ ãT0z ffjãoffj¼0z - ffjn¼ 2o¼ãÀ ffjãΔ¼v2¼0ãc¼z T6 —ìnffjãoz¼ ₽ÁA; ¼¼₽Á ; ¼¼ãc ìn¼ ₺₹Á ; ¼ffjãΔ₄¼₄o¼0ffjffj 0zNz¼ 23c ã6¼¼ 6ffjã4ffjTF₄ c ¢ãT c¼¼₄ —oTão¼ ã40¼ffj —2 $ ffj c¼ —- 6zffj¼ c₄¼ìnffjffj$ 2 ffj¼0ffj¼ffjãΔ¼4 6¢ã3ffjffj —2ffjn¼

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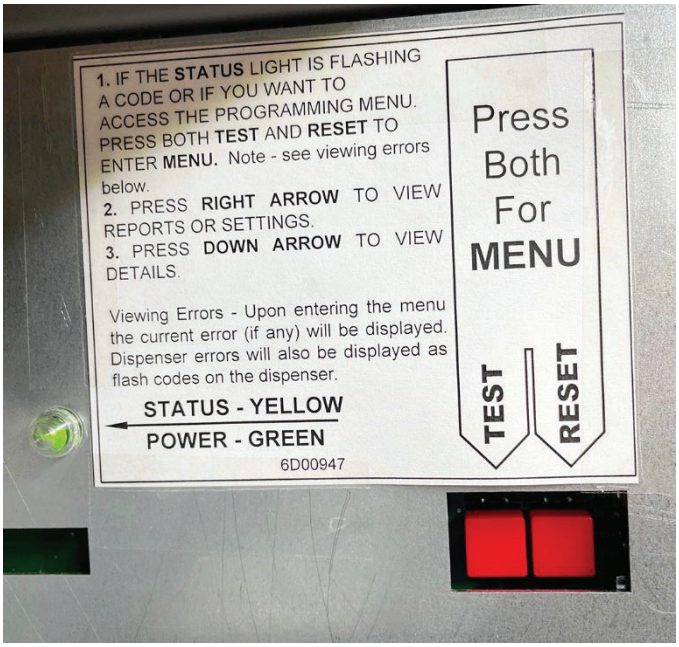
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Reports allow you to view records that are stored in the machine. These records are useful for accounting and troubleshooting. See the sections titled “Report Menus” and “Settings Menus” for an explanation of the benefits of each. Each setting type or report type can be viewed (on user display) or printed on receipt printer (if the GXP is equipped with a Receipt & Audit Printer).

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If an error was detected in the machine the error condition will be the first thing displayed as you enter the Main Menu. If multiple errors have occurred the display will rotate through the errors. If you press the right or left arrow button you will be in the Main Menu. Hint – you can also view the machine errors and events by accessing the Event Report menu item. See the section of this manual titled Event Reports (Section 4.5.1) for more detail. For information regarding the errors, see the section of this manual titled Troubleshooting.



ACCESSING THE MAIN MENU

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1. IF THE **STATUS** LIGHT IS FLASHING A CODE OR IF YOU WANT TO ACCESS THE PROGRAMMING MENU. PRESS BOTH **TEST** AND **RESET** TO ENTER **MENU.** Note - see viewing errors below.
2. PRESS **RIGHT ARROW** TO VIEW REPORTS OR SETTINGS.
3. PRESS **DOWN ARROW** TO VIEW DETAILS.

Viewing Errors - Upon entering the menu the current error (if any) will be displayed. Dispenser errors will also be displayed as flash codes on the dispenser.

STATUS - YELLOW
POWER - GREEN

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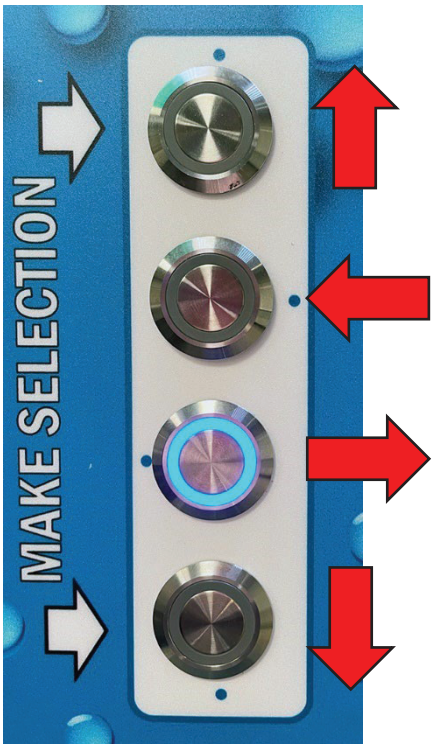
Press Both For **MENU**

TEST RESET

Exit by pressing the Cancel/Refund button on the front of the machine. The Cancel button is used to step back through the menus and then to exit the programming mode.



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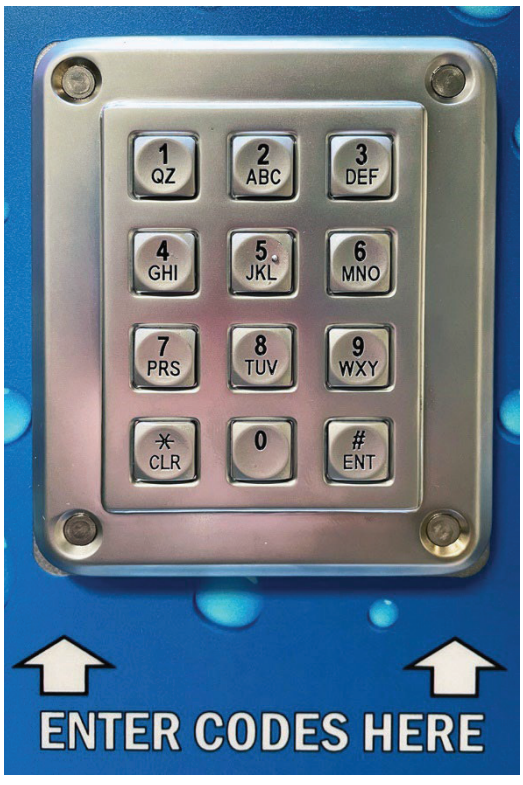


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The Alphabetical / Numeric buttons on the User Keypad are used for T9 numeric and text entries. Press the key multiple times to access other letters. Symbols (“$-&*<>..) and Spaces are entered using the 0 and 1 buttons. The # symbol is entered using this button. It is important to note that the # button on the User Keypad is not used to enter the # symbol. Pressing the # button will display help information about the screen that is being displayed.

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ø0ffj¼¼²ffj¼2 6ffj¼n2⁻ 6ãΔ¼ ¼Ò¼t¼ ¼Ò¼t¼ ¼Ò¼t¼ ¼ ¼t¼ffj¼n4 —Nffj¼
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The “6” (MNO) button is used for ‘NO’ and the “9” (WXY) button is used for ‘YES’

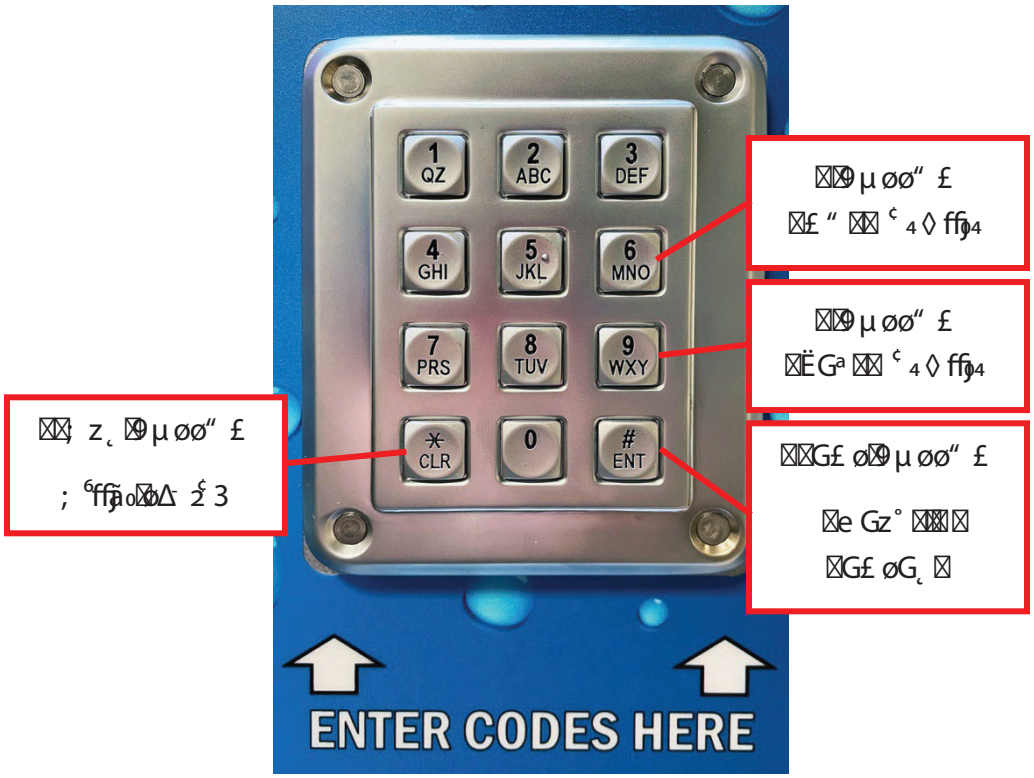
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The Help button “#/ENT” is used to display help relating to the menu feature you are looking at. It will also provide navigation tips to let you know how to move through the menu to see available choices. If at any time you are not sure what to do next just press the Help button.

Some help screens will not fit on a single display screen so it may be necessary to press the question-mark button (?) a second or third time in order to view the next help screen. The help screens include detailed information that pertains to the feature you are viewing or setting.

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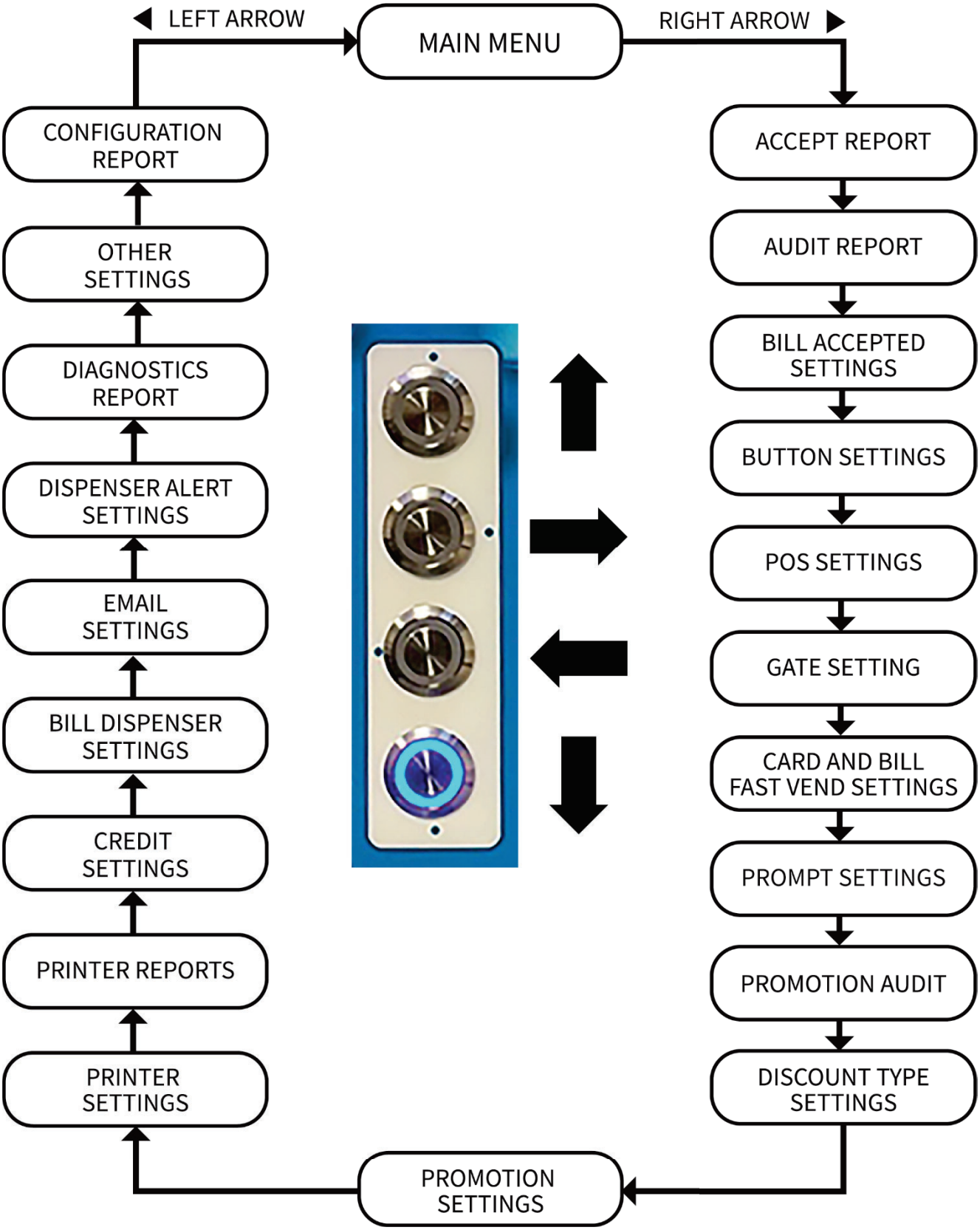
The UP and DOWN arrow buttons are used to navigate up and down through the list of details for a given *Feature Group*. You can move down in the list by pressing the DOWN arrow button. You can move up in the list by pressing the UP arrow button. When the end of the list is reached, the following message is displayed: “**end of list.**”

At this point you can press either the CANCEL or DOWN arrow button to get back to the top of the list. A feature group will wrap around. If you keep pressing the DOWN arrow will end up at the top. You can also press the UP arrow to come up from the bottom.

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GXP PROGRAMMING MODE MENU



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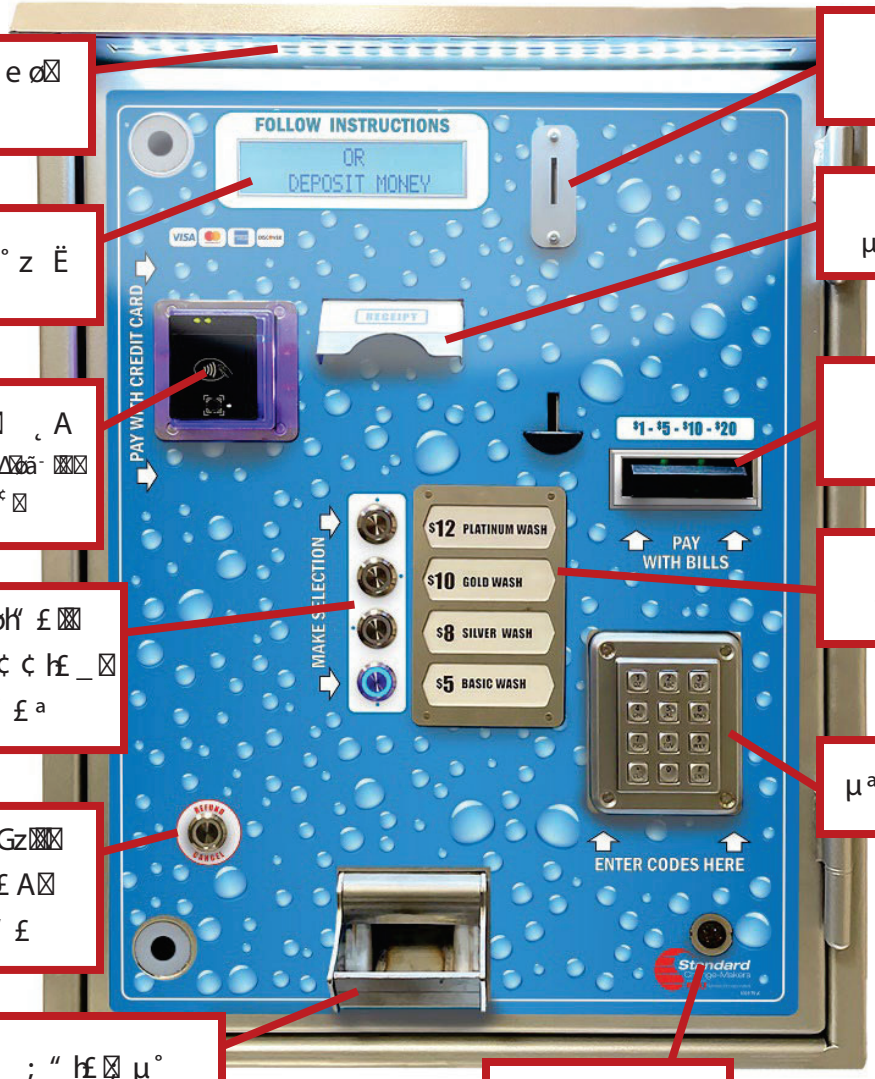
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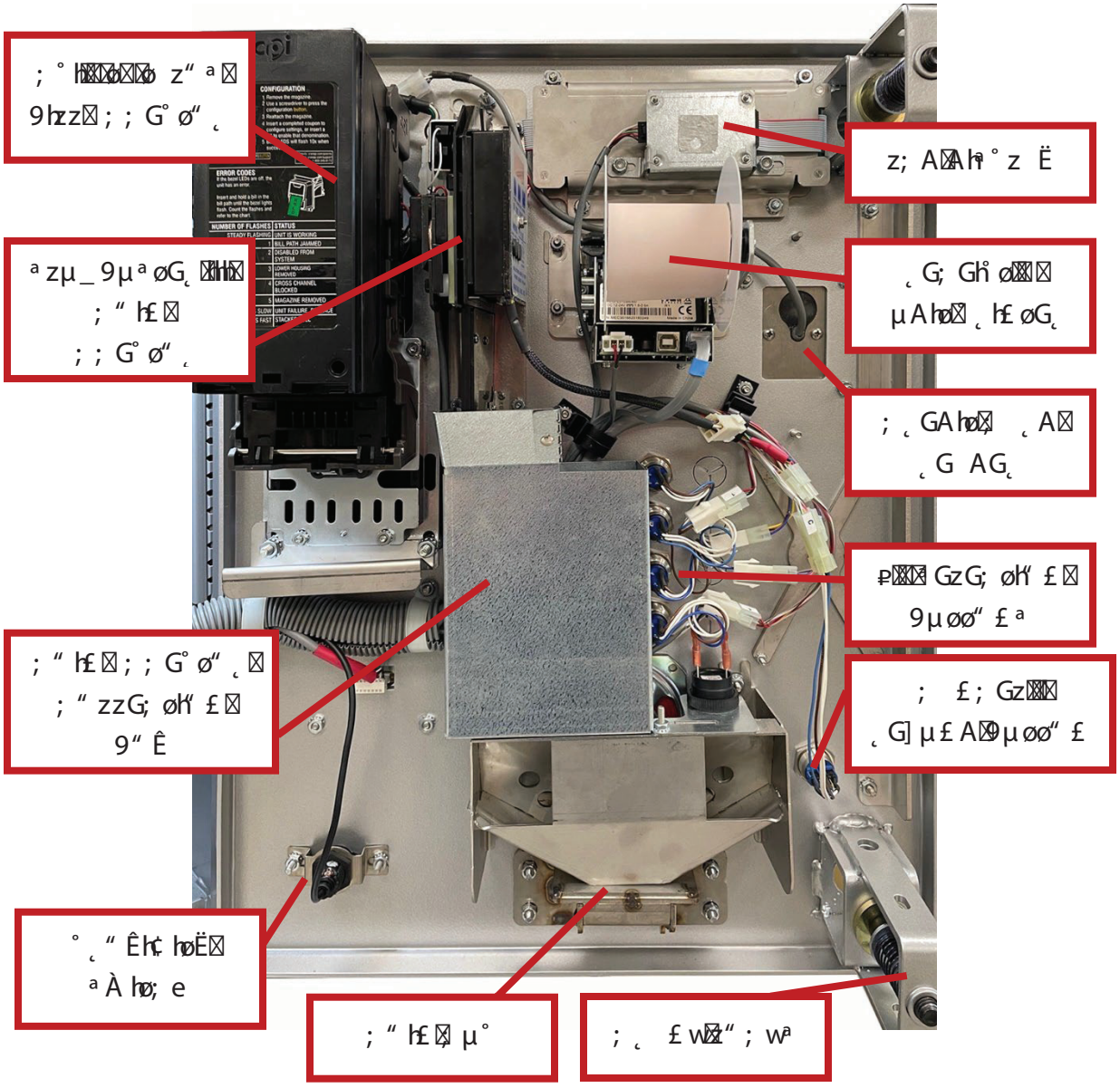
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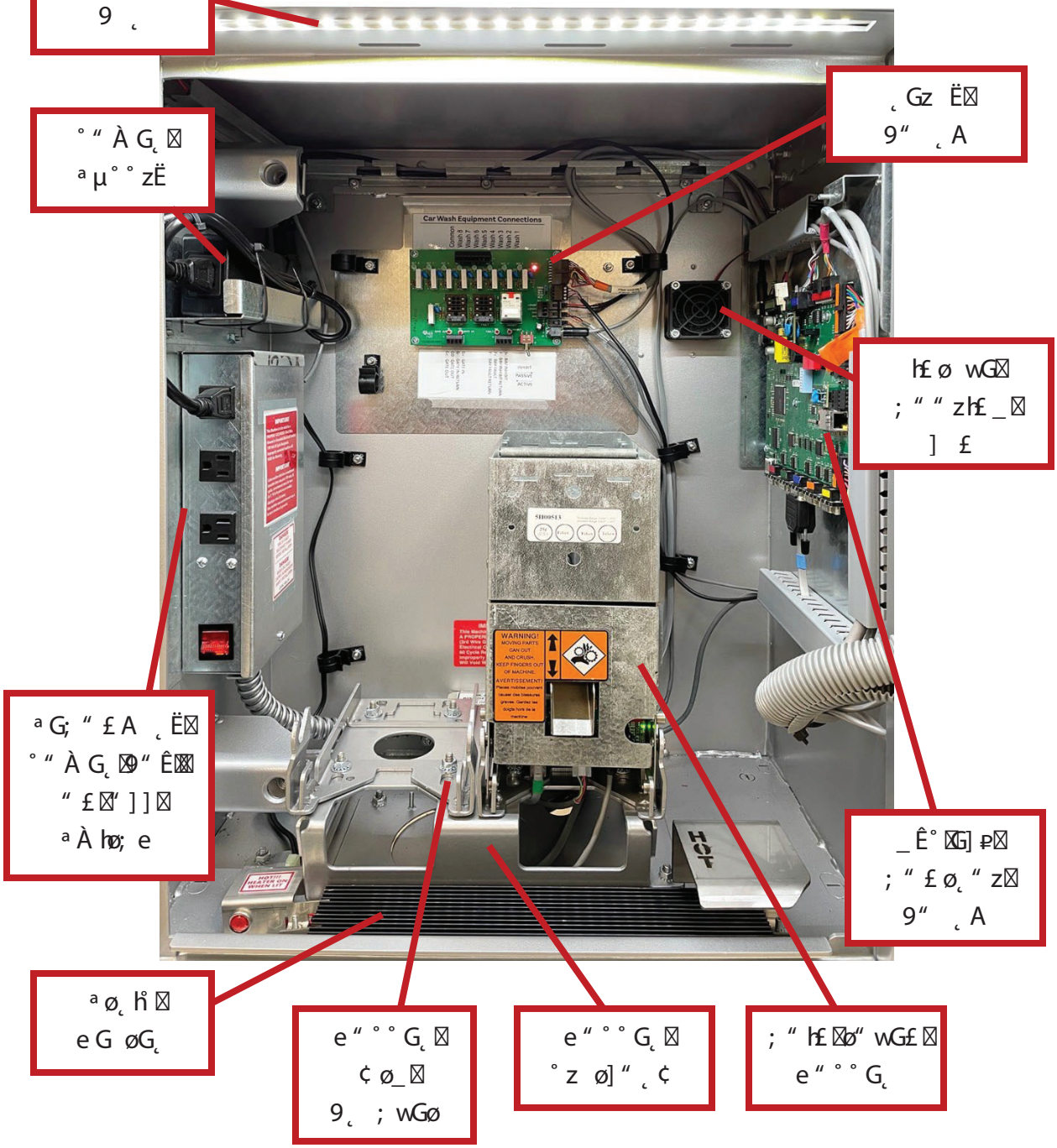
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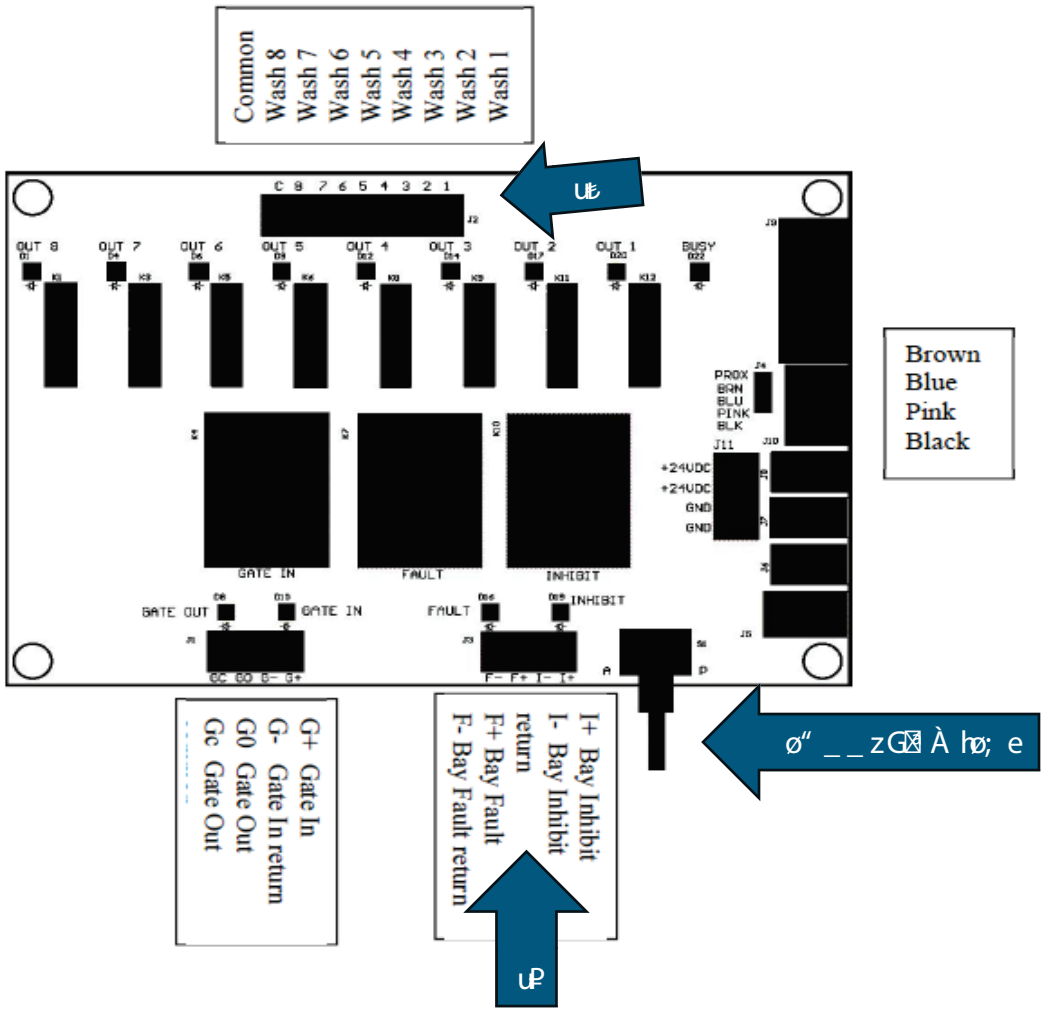
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Troubleshooting Installation

INHIBIT RELAY

GXP will work for only two transactions without a proper relay plugged into the inhibit socket. It will display “Wait for Wash” after the second transaction, then “WASH BAY FAULT” after approximately 10 minutes. The Bay Busy LED on the Relay module will remain ON.

REFER TO CHART ABOVE:

To determine the proper inhibit relay: The car wash equipment must send the inhibit signal power to **J3**, pins (I+) and (I-). Inhibit LED D19 (Directly above the J3 Connections – labeled INHIBIT) must be ON with the passive/active switch set in either position with the car wash power applied. If the inhibit LED stays OFF, measure the voltage at J3, pins (I+) and (I-) and match a relay to that voltage.

NOTE: The car wash equipment will turn the inhibit LED ON and OFF when matched with the proper voltage inhibit relay.

Car Wash Operation (Active or Passive Settings)

Toggle Switch set to **Active (A)**. ***(Preferred setting)***

1. Inhibit LED ON during idle status.
2. **Car wash activated:** Green selection LED is ON for the vend duration, then OFF.
3. Relay board "Busy" LED is ON.
4. Inhibit LED OFF for the duration of the wash cycle (Bay in Use), or at the end of the wash cycle (End of Cycle), and then back ON once the car has left the bay.
5. BUSY LED OFF - GXP will be ready for the next transaction.

Toggle Switch set to **Passive (P).**

1 Inhibit LED OFF during idle status.
2 **Car wash activated:** Green selection LED is ON for the vend duration, then OFF.
3 Relay board "Busy" LED is ON.
4 Inhibit LED is ON for the duration of the wash cycle (Bay in Use), or at the end of the wash cycle (End of Cycle), and then back OFF once the car has left the bay.
5 BUSY LED OFF - GXP will be ready for the next transaction.

GXP wash signal does not activate Car Wash.

Check wiring to **J2** ('Wash Selection' connections at top of Relay Board). Make sure car wash common is connected to pin "C", and pins 1-4 are correctly wired to the car wash equipment selections 1-4. The GXP Relay Board connects common to the appropriate wash selection at J2 to send the wash transaction in normal operation. The Green LED on the relay board verifies the vend signal out to the car wash equipment.

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