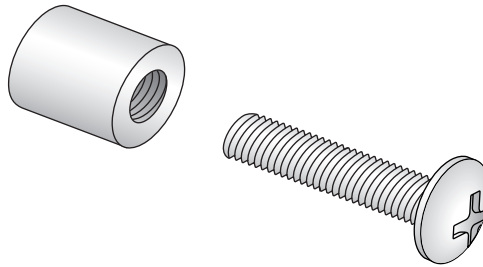




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# INSTALLATION INSTRUCTIONS

## CONTROL SPACER KIT 160653



Part Numbers:

- 160610 - Control Standoffs
- 0430086 - #8 X 3/4" Screws

Items required for this installation:

- Cross Tip Screwdriver

---

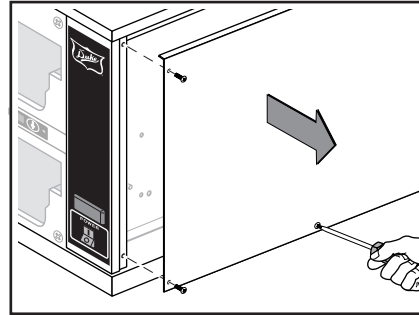
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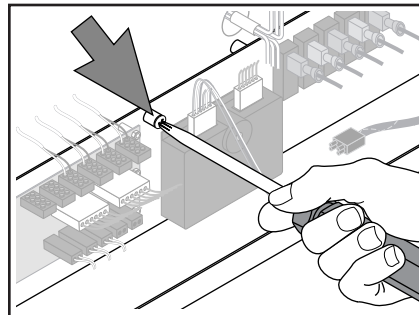
## Installation – Control Board Standoffs

1. Disconnect unit power.
2. Remove control side panel by removing (4) screws.

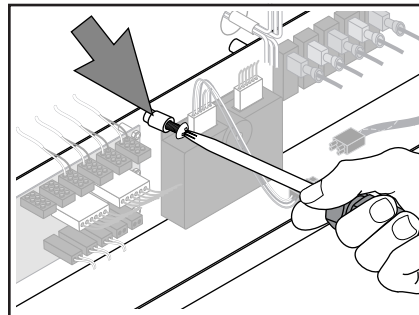


3. Remove and discard (4) screws which secure Control Board.

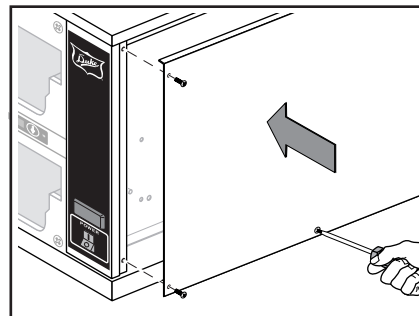
**USE CAUTION TO AVOID  
DAMAGE TO WIRING**



4. Install the lower 2 Controller Standoffs first with 3/4" long screw.
5. Place Controller on the lower standoffs, then install the 2 top spacers.
6. Tighten all 4 screws.
7. Assure 2 connectors on the control are properly seated.



8. Replace Cover Panel.
9. Reconnect unit to power and verify proper function.





NOTES:



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# Instructions

## Product Holding USB Upload KIT#161468

### **⚠ WARNING**

**DO NOT SAVE ANY OTHER FILES/DOCUMENTS OR INFORMATION ON THE DUKE THUMBDRIVE!**



1. Move the power switch on the Duke PHU cabinet to its OFF position.
2. Insert the USB Flash drive into the PHU cabinet's USB port.
3. Turn unit to ON position
4. The program download will start automatically.
5. Download complete when product temperatures appear. Wait up to 2 minutes for program to load.

**NOTE:** The product names will not appear on the screen until the wells heat to the selected product set point.

6. Turn power switch to off position
7. Remove the Flash Drive from the PHU cabinet's USB drive.
8. Turn unit to on position.

|                 |                                                                                                           |
|-----------------|-----------------------------------------------------------------------------------------------------------|
| <b>CAUTION:</b> | Please read these instructions completely before attempting to install, operate or service this equipment |
|-----------------|-----------------------------------------------------------------------------------------------------------|

---

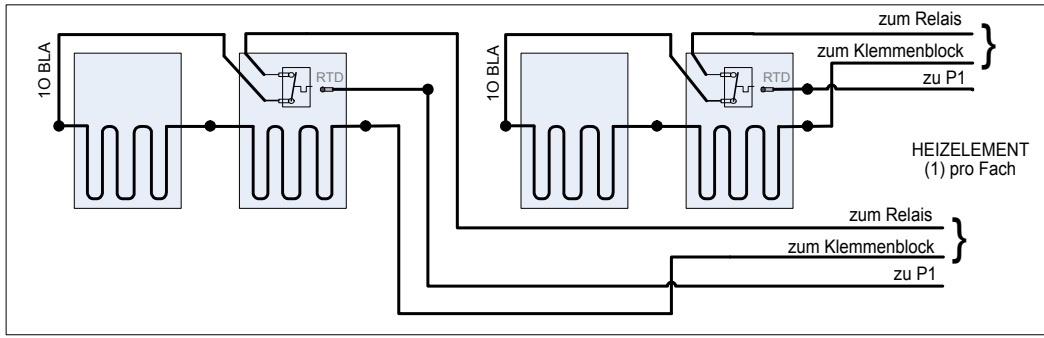
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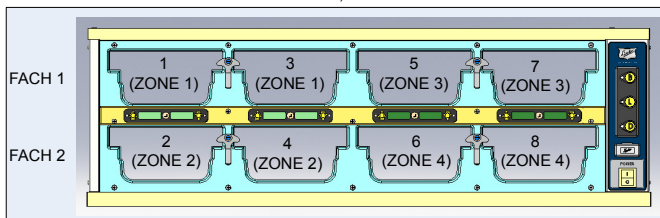
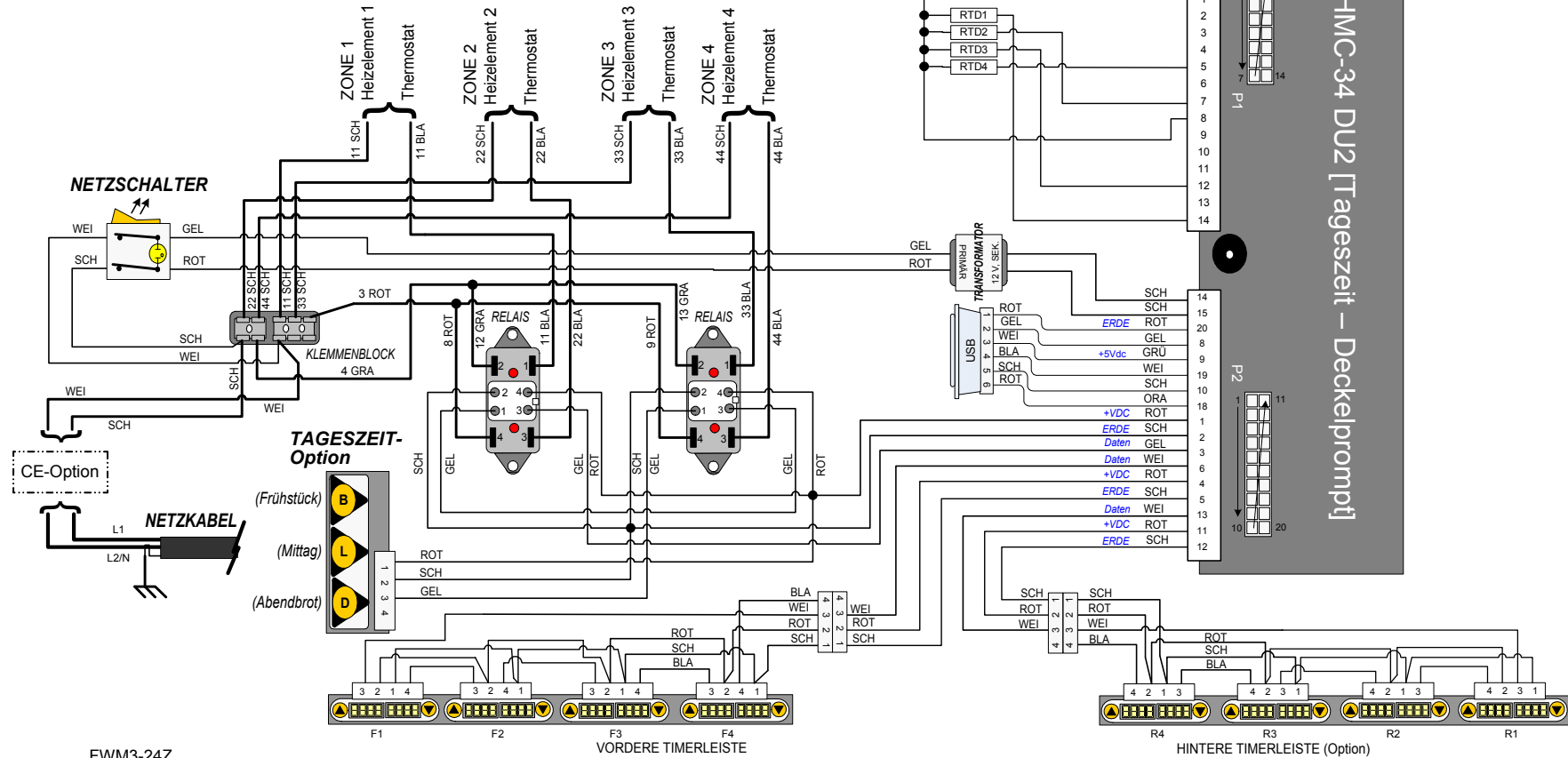
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**P/N 161471  
REV A 03/16/2018**



DUKE WARMHALTESCHRANK  
MODELL FWM3-24Z  
100/120/208/230/240 VAC  
50/60 HZ EINPHASIG  
161166 REV. D





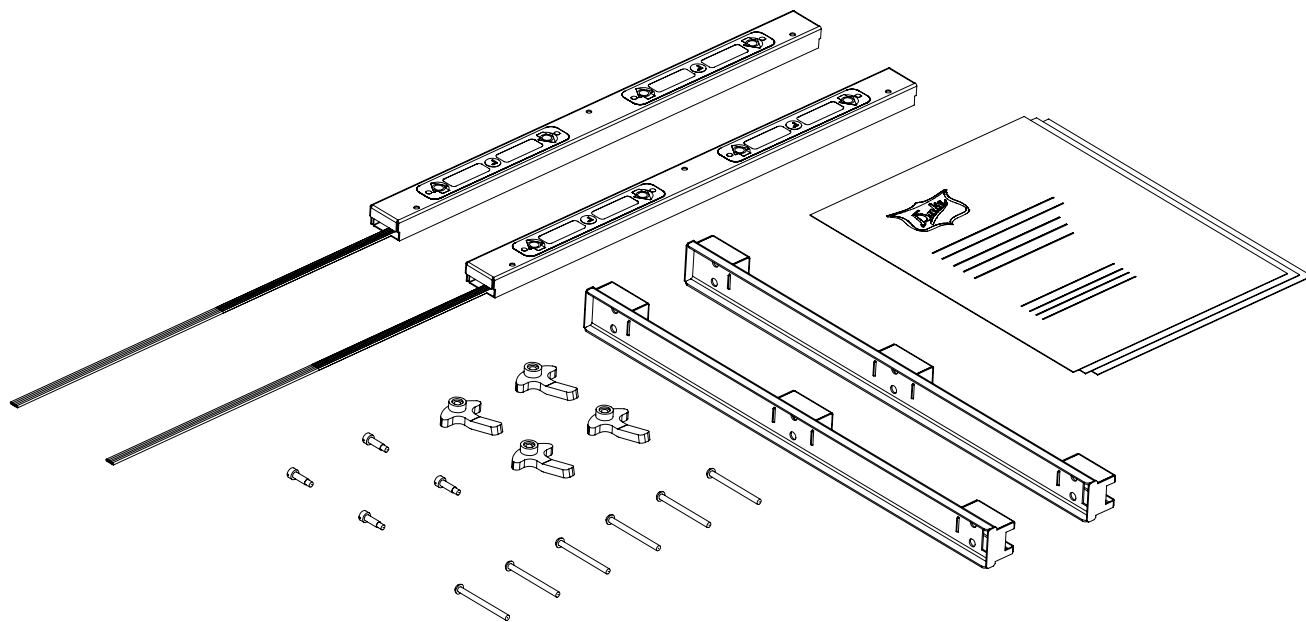




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# INSTALLATION INSTRUCTIONS

## FWM3-42 REAR TIMER BAR INSTALLATION INSTRUCTIONS FOR DUKE KIT# 600476



**This kit contains:**

- 156234 Assy, Timer Bar 2-Wide Rear
- 160616 Assy-Weld, Timerbar
- 161337 Screw, 8X2
- 156285 Latch, Lid Stop Bracket
- 156288 Screw, Shoulder 3/16X1/2"
- 156237 FWM3 Manual

**Items required for this installation:**

- #2 Cross Tip Screwdriver

---

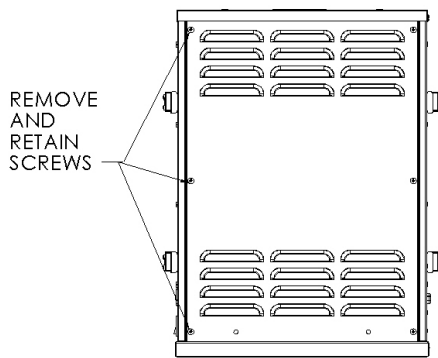
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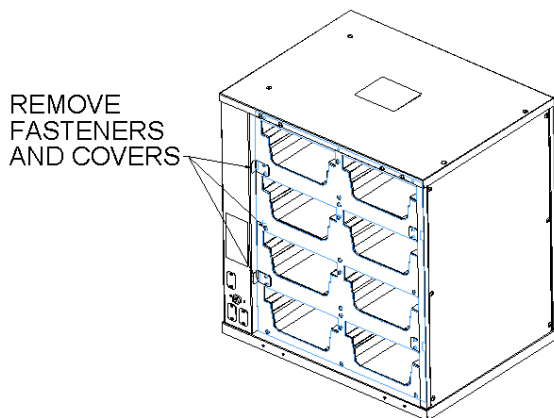
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**P/N 161429A  
09/27/2016**

1. Power off unit if currently on.
2. Unplug unit from wall receptacle.
3. Remove and retain (6) screws attaching louvered side panel.



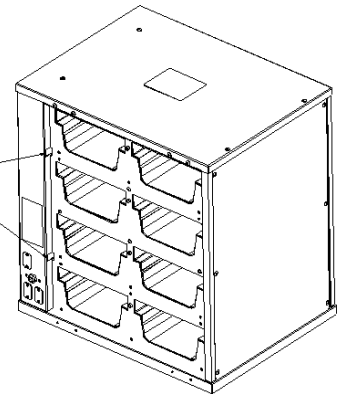
4. Lift up and pull out Rear cover.
5. Remove & Discard (8) screws holding rear cover clips in place and any other screws in faceplate covering timer bar mounting.



6. Remove and discard (4) retaining plates.
7. Feed timer bar harness thru the opening of the timer bar standoff. Note Harness is to be on the left side when facing the rear of the unit.

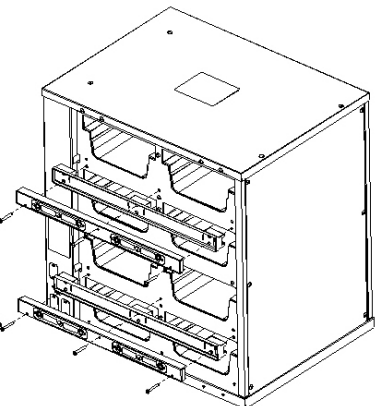
8. Feed harness thru faceplate cut out into control panel area.

FEED  
INDIVIDUAL  
TIMER BAR  
HARNESS  
THRU  
FACEPLATE  
CUTOUTS



9. Secure timer bar and standoff assembly to the unit using 3 of the six 2" long TEK screws provided.

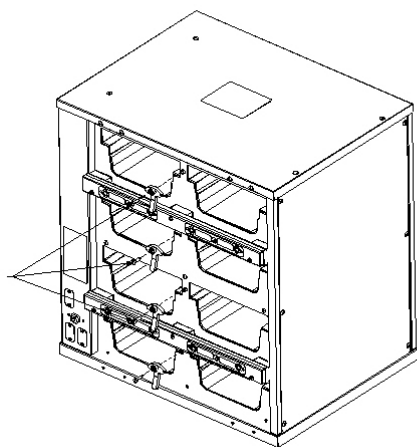
ATTACH  
TIMER BARS  
AND  
STANDOFFS  
WITH (6)  
#8 - 2" LONG  
SCREWS  
PROVIDED





10. Repeat steps 7 thru 9 for other timer bar assembly.
11. Plug top timer bar harness into harness labeled  
Top rear.
12. Plug bottom timer bar harness into harness labeled  
Bottom rear.
13. Plug unit back into correct receptacle.
14. Power unit on and verify timer bar functionality.
15. To verify timer bar functionality or troubleshooting  
see manual 156237 provided in kit.
16. Once functionality is verified install louvered cover  
panel using retained screws from step 3.
17. Install all four brackets, lid stops using 4 shoulder  
screws provided.

ATTACH (4)  
BRACKET,  
LID STOPS  
USING (4)  
SHOULDER  
SCREWS  
PROVIDED





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# ***Instruction Manual***

## ***PRODUCT HOLDING UNIT CHEF'S WEB PROGRAMMING GUIDE***



**Please read this manual completely  
before attempting to program your PHU.**

---

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Open the web browser.

Type or paste the website address into the browser address dialog box and press Enter.



Using the mouse left click the User Name field.

Type the assigned User Name.

Left click the Password field.

Type the password.

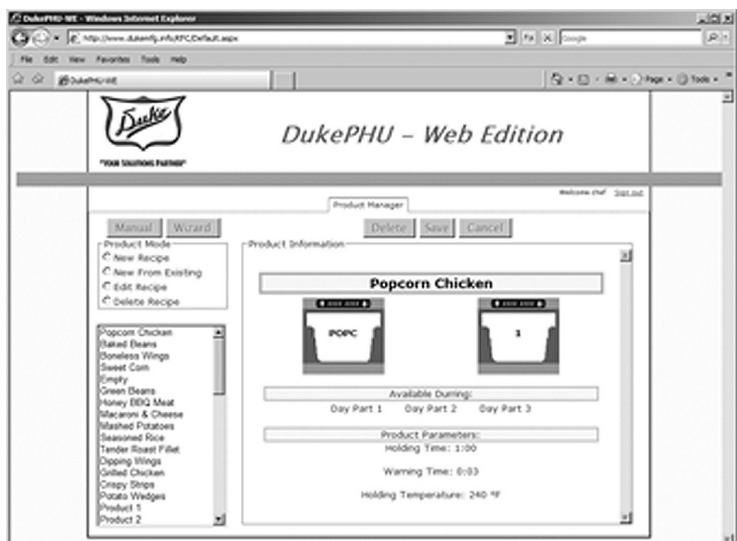
Left click the Log In button.



When entering a new product left click New Recipe.

Next, left click the Manual button.

The Wizard button may also be used to add a New Recipe. The Wizard mode will prompt the user for each entry.



Select the Name dialog box and type the long name of the product, example: Hot Wings.

Next, select the short name dialog box and enter the short name of the product, example: HTWG. The Short Name must not exceed four characters.

The Short Name will be displayed on the PHU Cabinet.

Scroll to Product Availability and select the Day Parts that this product can be held for. Select as many as required for the product.

Note: If only one Day Part will be used on the cabinet, click all three Day Parts.

Next, scroll to Universal Oven Parameters. Left click the Holding Time field and type the holding time for the product, example: 0:30.

If the Warning Time is desired, left click the Enable box. This prompts the operator to prepare more product as hold time is near expiration.

Left click the Warning Time field and type the warning time for the product, example: 0:06.

Scroll to FWM Oven Parameters, click the Holding Temperature field and type the holding temperature, example: 190°F.

Use the drop down arrow to change from Fahrenheit to Celsius if Celsius is required.

Once all parameters are set, left click the Save button.

The Product Manager main screen is displayed.

The product just added will appear at the bottom of the scroll down menu.

Repeat these procedures to add new recipes.

For a similar product, use the New From Existing selection.

Each new product MUST have a different Name and Short Name

Note: With shelf control units all of the product in a given row must have the same Holding Temperature.



To edit an existing product, first, select the product from the drop down list.

Next, click Edit Recipe.

Click either the Manual or Wizard button.



Edit the fields as needed to update the recipe.

Example: The Holding Time has been changed to 1.00 hr.

Click Save to save the changes.





The Product Manager main screen is returned. It displays a summary of the product just edited.

Continue editing products as needed.



To delete a product, first, select it from the drop down list.

Next, select Delete Recipe.

Left click the Delete button.



Click OK in the "Are you sure..." dialog box to continue with the deletion of a product.

Click Cancel to cancel the delete.



The product is now removed from the product list.





## CUSTOMER ASSISTANCE

To aid in reporting this unit in case of loss or theft, please record below the model number and serial number located on the unit. We also suggest you record all the information listed and retain for future reference.

|                          |                       |
|--------------------------|-----------------------|
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# **Bedienungsanleitung**

## **WARMHALTESCHRANK – CHEFS WEB PROGRAMMIERANLEITUNG**



**Bitte lesen Sie diese Anleitung vollständig durch, bevor Sie versuchen, den Warmhalteschrank zu programmieren.**

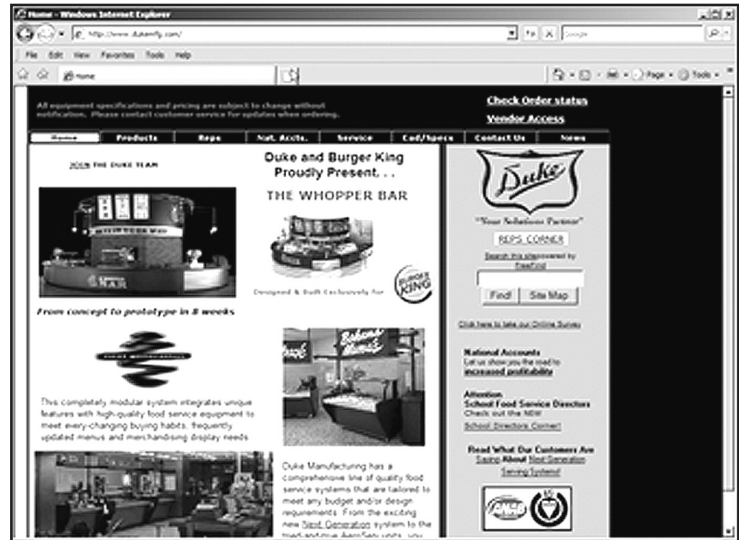
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Öffnen Sie den Webbrowser.

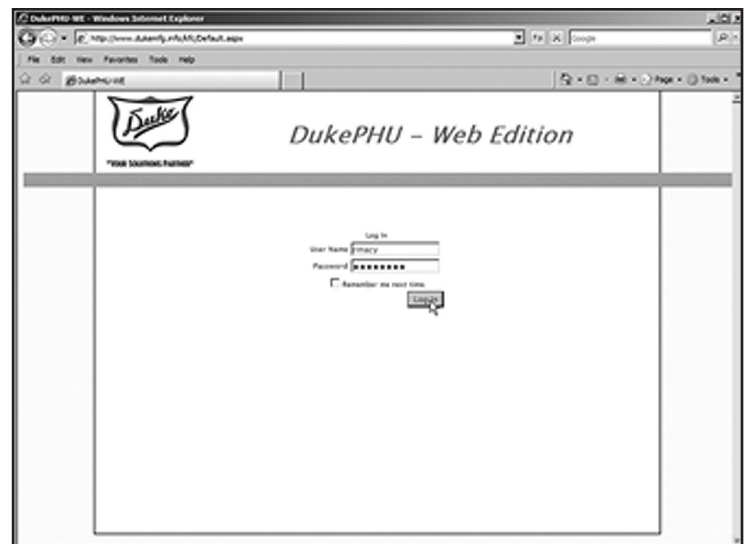
Kopieren oder geben Sie die Website-Adresse in das Adressfeld des Browsers ein und drücken Sie die Eingabetaste.



Klicken Sie mit der linken Maustaste in das Feld „User Name“ (Benutzername). Geben Sie den zugewiesenen Benutzernamen ein.

Klicken Sie mit der linken Maustaste in das Feld „Password“ (Passwort). Geben Sie das Passwort ein.

Klicken Sie mit der linken Maustaste auf die Schaltfläche „Log In“ (Anmelden).



Bei Eingabe eines neuen Produktes klicken Sie mit der linken Maustaste auf „New Recipe“ (Neues Rezept).

Klicken Sie anschließend mit der linken Maustaste auf die Schaltfläche „Manual“ (Manuell).

Ein neues Rezept kann außerdem mit der Schaltfläche „Wizard“ (Assistent) hinzugefügt werden. Im Assistentenmodus wird der Benutzer zu jedem einzelnen Eingabeschritt aufgefordert.



Wählen Sie das Dialogfeld „Name“ und geben Sie den Langnamen des Produktes ein. Beispiel: Gewürzte Hühnerflügel.

Wählen Sie anschließend das Dialogfeld für die Kurzbezeichnung und geben Sie die Kurzbezeichnung des Produktes ein. Beispiel: GWHF. Die Kurzbezeichnung darf maximal vier Zeichen lang sein.

Die Kurzbezeichnung wird auf dem Display des Warmhalteschranks angezeigt.

Gehen Sie zum Abschnitt „Product Availability“ (Produktverfügbarkeit) und wählen Sie unter „Day Parts“ die Tageszeit aus, für die dieses Produkt warmgehalten werden kann. Wählen Sie so viele Tageszeiten für dieses Produkt wie erforderlich aus.

Hinweis: Wenn der Warmhalteschrank nur für eine Tageszeit verwendet wird, markieren Sie alle drei Tageszeiten.

Gehen Sie anschließend zum Abschnitt „Universal Oven Parameters“ (Universelle Schrankparameter). Klicken Sie mit der linken Maustaste in das Feld „Holding Time“ (Haltezeit) und geben Sie die Haltezeit für das Produkt ein. Beispiel: 0:30.

Wenn die Eingabe einer Warnzeit gewünscht ist, klicken Sie mit der linken Maustaste auf „Enable“ (Aktivieren). Der Bediener wird dann dazu aufgefordert, mehr Produkte vorzubereiten, wenn sich die Haltezeit dem Ende nähert.

Klicken Sie mit der linken Maustaste in das Feld „Warning Time“ (Warnzeit) und geben Sie die Warnzeit für das Produkt ein. Beispiel: 0:06.

Gehen Sie zum Abschnitt „FWM Oven Parameters“ (Schrankparameter Modell FWM), klicken Sie in das Feld „Holding Temperature“ (Haltetemperatur) und geben Sie die Haltetemperatur ein. Beispiel: 87 °C.

Verwenden Sie falls erforderlich den Drop-down-Pfeil, um zwischen Grad Fahrenheit und Grad Celsius zu wechseln.

Klicken Sie nach Einstellung aller Parameter mit der linken Maustaste auf die Schaltfläche „Save“ (Speichern).





Der Hauptbildschirm „Product Manager“ (Produktmanager) wird angezeigt.

Das gerade hinzugefügte Produkt erscheint am Ende des Scroll-down-Menüs.

Wiederholen Sie dieses Verfahren, um weitere Rezepte hinzuzufügen.

Für ein ähnliches Produkt können Sie die Option „New From Existing“ (Neu basierend auf vorhandenem) verwenden.

Jedes neue Produkt MUSS einen unterschiedlichen Namen und eine unterschiedliche Kurzbezeichnung erhalten.

Hinweis: Bei Schränken mit individueller Wannenregelung müssen alle Produkte in einer bestimmten Reihe die gleiche Haltetemperatur aufweisen.



Zum Bearbeiten eines vorhandenen Produkts wählen Sie das Produkt zunächst aus der Drop-down-Liste aus.

Klicken Sie dann auf „Edit Recipe“ (Rezept bearbeiten).

Klicken Sie auf die Schaltfläche „Manual“ (Manuell) oder „Wizard“ (Assistent).



Bearbeiten Sie die Felder wie erforderlich, um das Rezept zu aktualisieren.

Beispiel: Die Haltezeit wurde auf 1.00 Stunde geändert.

Klicken Sie auf „Save“ (Speichern), um die Änderungen zu speichern.



Der Hauptbildschirm „Product Manager“ (Produktmanager) wird wieder angezeigt. Der Bildschirm enthält einen Überblick über das gerade bearbeitete Produkt.

Wiederholen Sie dieses Verfahren, um weitere Produkte zu bearbeiten.



Zum Löschen eines Produkts wählen Sie das Produkt zunächst aus der Drop-down-Liste aus.

Klicken Sie dann auf „Delete Recipe“ (Rezept löschen).

Klicken Sie mit der linken Maustaste auf die Schaltfläche „Delete“ (Löschen).



Klicken Sie im Dialogfeld „Are you sure...“ (Sind Sie sicher...?) auf „OK“, um mit dem Löschen des Produktes fortzufahren.

Klicken Sie auf „Cancel“ (Abbrechen), um das Produkt nicht zu löschen.







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|--------------------------|-----------------------|
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# **Manuel d'instructions**

## **UNITÉ DE STOCKAGE D'ALIMENTS GUIDE WEB DE PROGRAMMATION PAR LE CHEF**



**Lire ce manuel en totalité avant de procéder à la  
programmation de l'unité.**

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Ouvrir le navigateur Web.

Taper ou coller l'adresse du site Web dans la boîte de dialogue d'adresse du navigateur et appuyer sur Enter (Entrée).



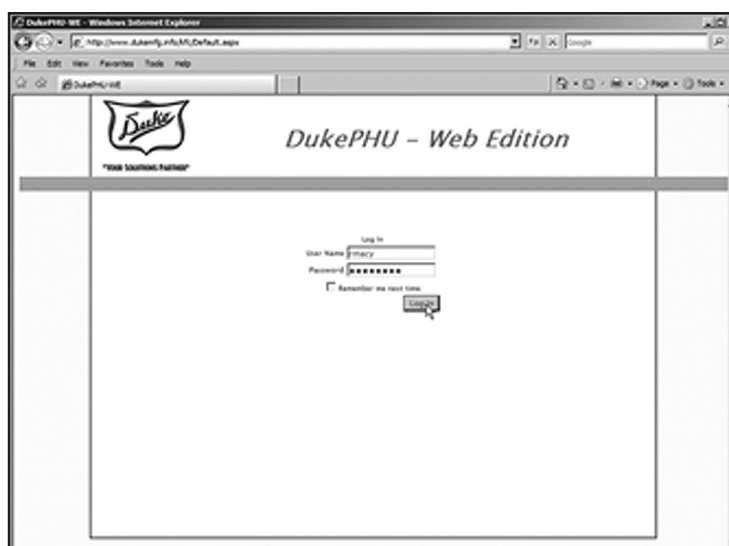
Cliquer avec le bouton gauche de la souris dans le champ User Name (nom d'utilisateur).

Taper le nom d'utilisateur attribué.

Cliquer à gauche dans le champ Password (mot de passe).

Taper le mot de passe.

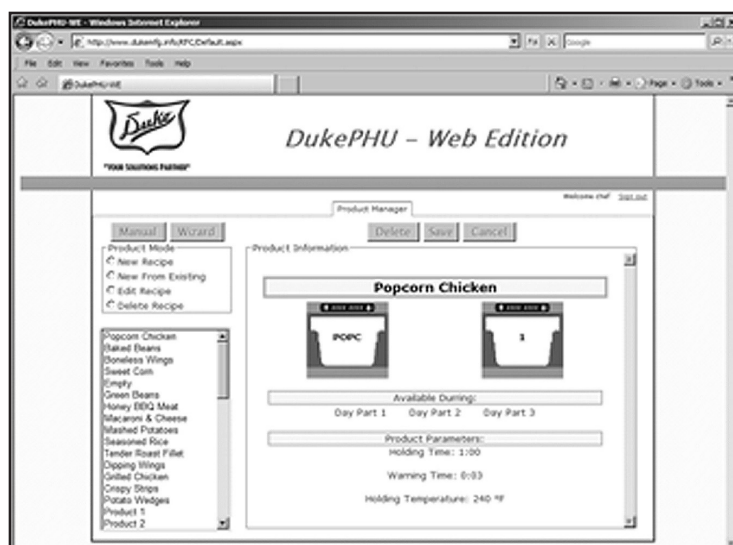
Cliquer à gauche sur le bouton Log In (ouverture session).



Lorsqu'on saisit un nouveau produit, cliquer à gauche sur New Recipe (nouvelle recette).

Cliquer ensuite à gauche sur le bouton Manual (Manuel).

Il est également possible d'utiliser le bouton Wizard (assistant) pour ajouter une nouvelle recette. Le mode Wizard invite l'utilisateur à effectuer chaque saisie.



Sélectionner la boîte de dialogue Name (nom) et taper le nom entier du produit, par exemple Hot Wings (ailes de poulet épicées).

Sélectionner ensuite la boîte de dialogue de nom abrégé et taper le nom abrégé du produit, par exemple HTWG. Le nom abrégé ne doit pas dépasser quatre caractères.

Le nom abrégé sera affiché sur l'unité de stockage d'aliments.

Faire défiler l'affichage jusqu'à Product Availability (disponibilité produit) et sélectionner les tranches horaires (Day Parts) pendant lesquelles ce produit peut être conservé. En sélectionner autant qu'il est nécessaire pour le produit.

Remarque : si une seule tranche horaire sera utilisée sur l'unité, cliquer sur les trois Day Parts.

Faire ensuite défiler l'affichage jusqu'à Universal Oven Parameters (paramètres de four universels). Cliquer à gauche dans le champ Holding Time (temps de stockage) et taper le temps de stockage pour le produit, par exemple 0:30.

Si on désire un temps de réchauffage, cliquer à gauche sur la boîte Enable (valider). Cela invite l'opérateur à préparer plus de produit alors que le temps de stockage arrive à expiration.

Cliquer à gauche dans le champ Warming Time (temps de réchauffage) et taper le temps de réchauffage pour le produit, par exemple 0:06.

Faire défiler l'affichage jusqu'à FMW Oven Parameters (paramètres de four FMW), cliquer dans le champ Holding Temperature (température de maintien) et taper la température de maintien, par exemple 190 °F.

Utiliser le bouton de déroulement pour passer de Fahrenheit à Celsius si nécessaire.

Une fois tous les paramètres établis, cliquer sur le bouton Save (Enregistrer).

L'écran principal Product Manager (gestionnaire produits) s'affiche.

Le produit qui vient d'être ajouté apparaît au bas du menu déroulant.

Répéter ces opérations pour ajouter de nouvelles recettes.

Pour un produit comparable, utiliser la sélection New From Existing (nouveau par rapport à existant).

Chaque produit nouveau DOIT avoir des noms complet et abrégé qui lui sont propres.

Remarque : dans les unités à cases à température contrôlée, tous les produits d'une rangée donnée doivent avoir la même température de maintien.



Pour modifier un produit existant, le sélectionner d'abord sur la liste déroulante.

Cliquer ensuite sur Edit Recipe (modifier recette).

Cliquer sur le bouton Manual (Manuel) ou Wizard (Assistant).



Modifier les champs nécessaires pour actualiser la recette.

Exemple : le temps de stockage est passé à 1,00 h.

Cliquer sur Save pour enregistrer les changements.





L'écran principal Product Manager (gestionnaire produits) réapparaît. Il affiche un résumé du produit qui vient d'être modifié.

Continuer à modifier des produits selon le besoin.



Pour supprimer un produit, le sélectionner d'abord sur la liste déroulante.

Sélectionner ensuite Delete Recipe (Supprimer recette).

Cliquer à gauche sur le bouton Delete (Supprimer).



Cliquer sur OK dans la boîte de dialogue « Are you sure... » (êtes-vous sûr...) pour poursuivre la suppression d'un produit.

Si on désire annuler la suppression, cliquer sur Cancel.





Le produit est maintenant éliminé de la liste de produits.



## CUSTOMER ASSISTANCE

To aid in reporting this unit in case of loss or theft, please record below the model number and serial number located on the unit. We also suggest you record all the information listed and retain for future reference.

|                          |                       |
|--------------------------|-----------------------|
| <b>MODEL NUMBER:</b>     | <b>SERIAL NUMBER:</b> |
| <b>DATE OF PURCHASE:</b> |                       |
| <b>DEALER:</b>           | <b>TELEPHONE:</b>     |
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# ***Instruction Manual***

## ***PRODUCT HOLDING UNIT CHEF'S WEB PROGRAMMING GUIDE (LID PROMPT)***



**Please read this manual completely  
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---

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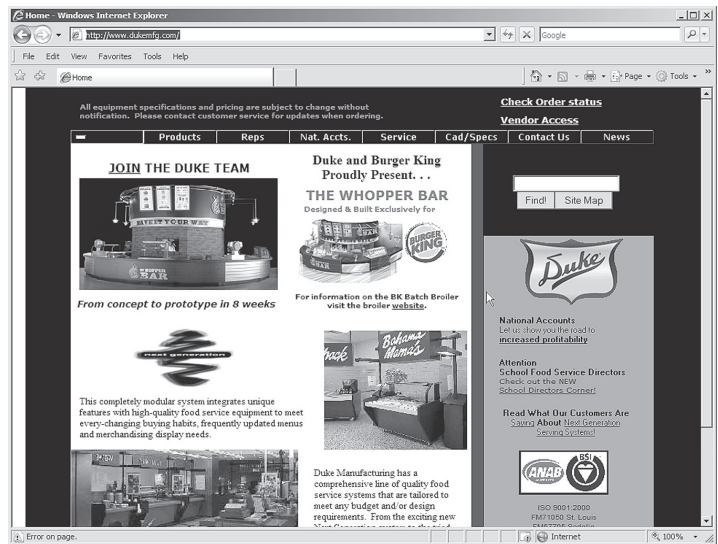
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Open the web browser.

Type or paste the website address into the browser address dialog box and press Enter.



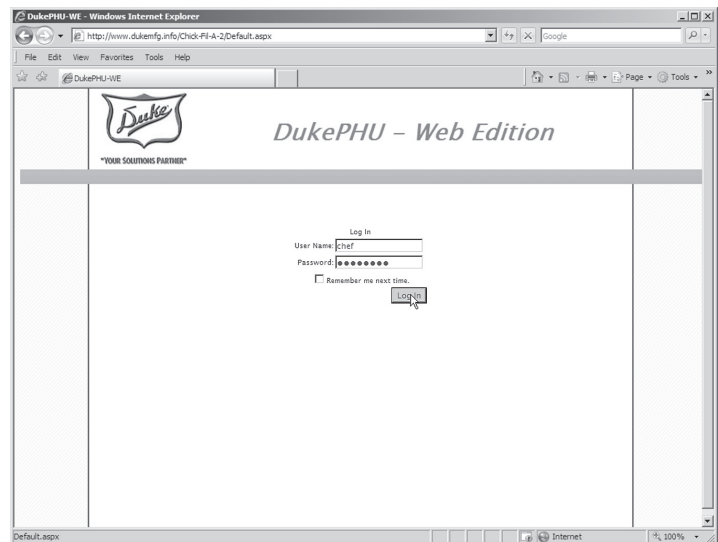
Using the mouse, left click the User Name field.

Type the assigned User Name.

Left click the Password field.

Type the password.

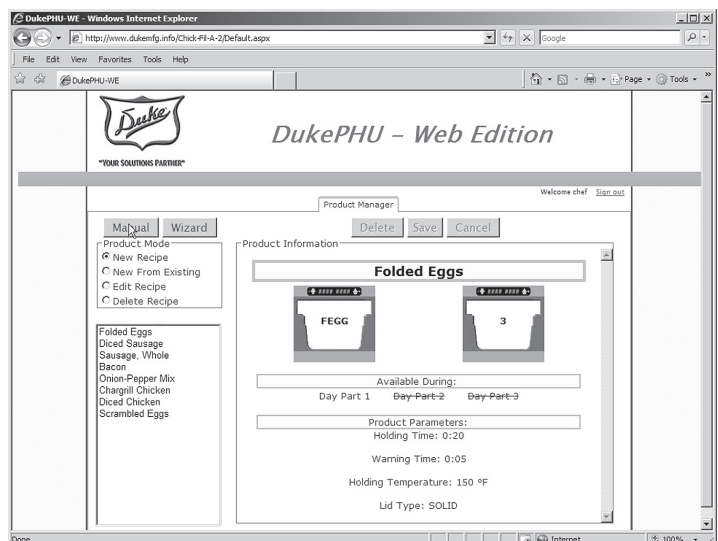
Left click the Log In button.



When entering a new product, left click New Recipe.

Next, left click the Manual button.

The Wizard button may also be used to add a New Recipe. The Wizard mode will prompt the user for each entry.



Select the Name dialog box and type the long name of the product, example: Hot Wings.

Next, select the short name dialog box and enter the short name of the product, example: HTWG. The Short Name must not exceed four characters.

The Short Name will be displayed on the PHU Cabinet.

Scroll to Product Availability and select the Day Parts that this product can be held for. Select as many as required for the product.

Note: If only one Day Part will be used on the cabinet, click all three Day Parts.

Next, scroll to Universal Oven Parameters. Left click the Holding Time field and type the holding time for the product, example: 0:30.

If the Warning Time is desired, left click the Enable box. This prompts the operator to prepare more product as hold time is near expiration.

Left click the Warning Time field and type the warning time for the product, example: 0:06.

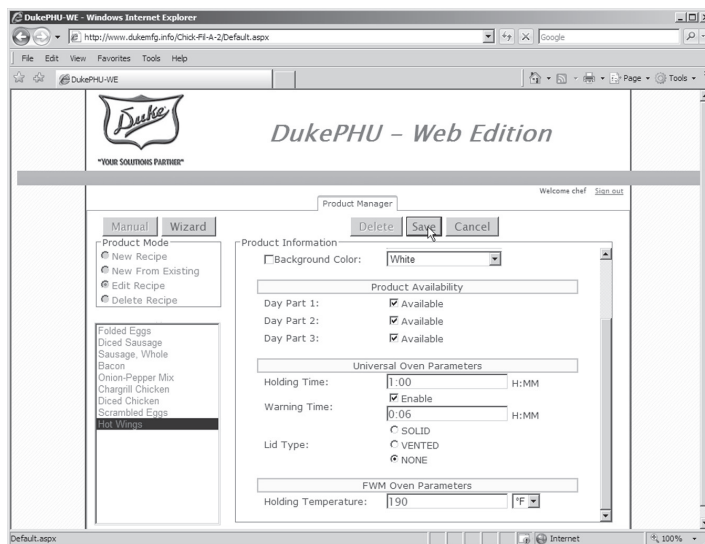
Select a Lid type.



Scroll to FWM Oven Parameters, click the Holding Temperature field and type the holding temperature, example: 190°F.

Use the drop down arrow to change from Fahrenheit to Celsius if Celsius is required.

Once all parameters are set, left click the Save button.



The Product Manager main screen is displayed.

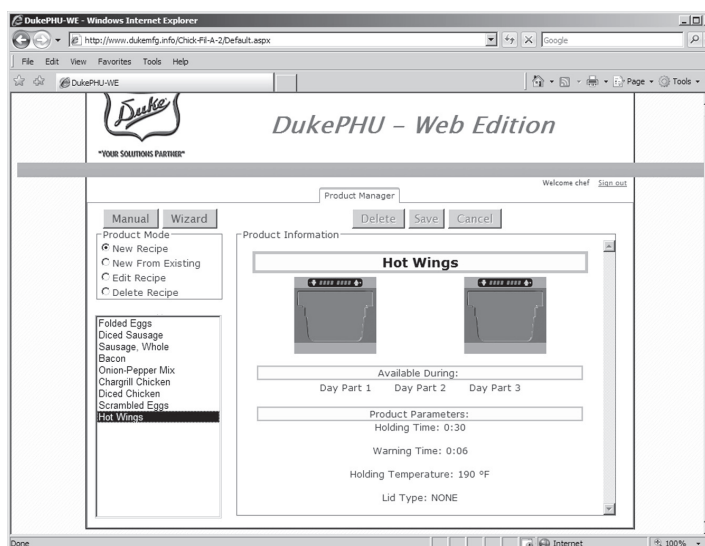
The product just added will appear at the bottom of the scroll down menu.

Repeat these procedures to add additional new recipes.

For a similar product, use the New From Existing selection.

Each new product MUST have a different Name and Short Name

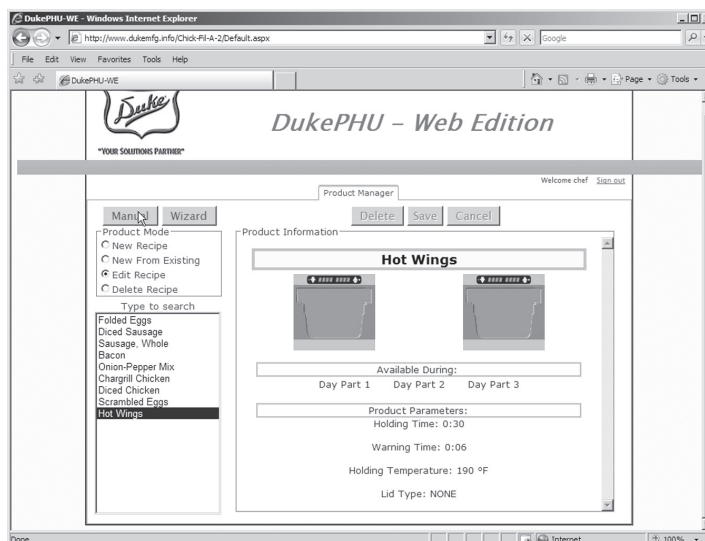
Note: With shelf control units all of the product in a given row must have the same Holding Temperature.



To edit an existing product, first, select the product from the drop down list.

Next, click Edit Recipe.

Click either the Manual or Wizard button.

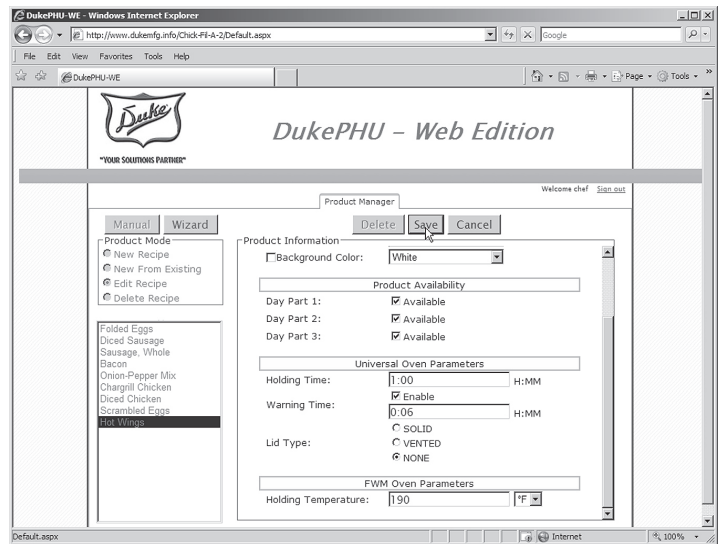




Edit the fields as needed to update the recipe.

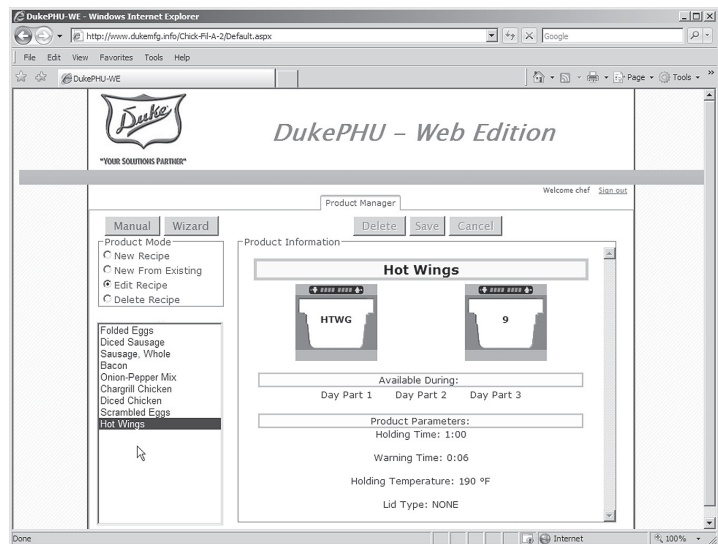
Example: The Holding Time has been changed to 1.00 hr.

Click Save to save the changes.



The Product Manager main screen is returned. It displays a summary of the product just edited.

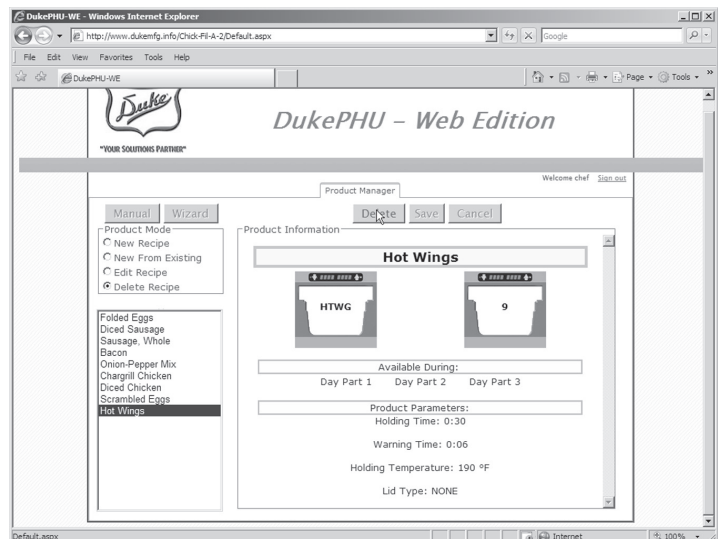
Continue editing products as needed.



To delete a product, first, select it from the drop down list.

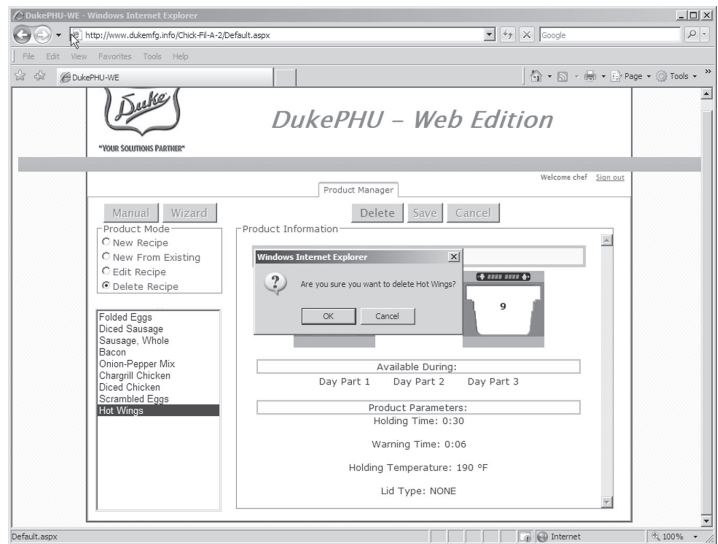
Next, select Delete Recipe.

Left click the Delete button.

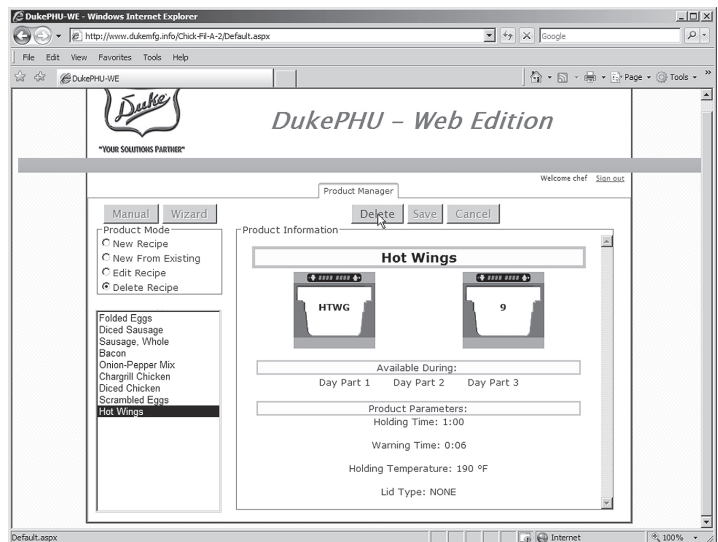


Click OK in the “Are you sure...” dialog box to continue with the deletion of a product.

Click Cancel to cancel the delete.



The product is now removed from the product list.



## CUSTOMER ASSISTANCE

To aid in reporting this unit in case of loss or theft, please record below the model number and serial number located on the unit. We also suggest you record all the information listed and retain for future reference.

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|--------------------------|-----------------------|
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| <b>DATE OF PURCHASE:</b> |                       |
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# ***Instruction Manual***

## ***PRODUCT HOLDING UNIT MANAGER'S WEB PROGRAMMING GUIDE***



**Please read this manual completely  
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---

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## CREATING A NEW MENU

Open the internet browser.

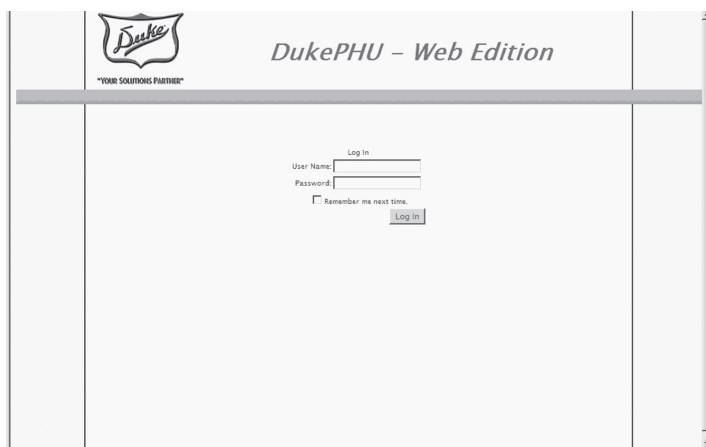
Type or paste the website address into the browser address dialog box and press Enter.

If your customer website has NOT been set up, please contact Duke Manufacturing's TECHNICAL SERVICE DEPARTMENT at 800-735-3853

Log into DukePHUwebsite

www.dukemfg.info/\*\*\*\*\*

Unique address & password is supplied at purchase. If needed, contact TECHNICAL SERVICE DEPARTMENT



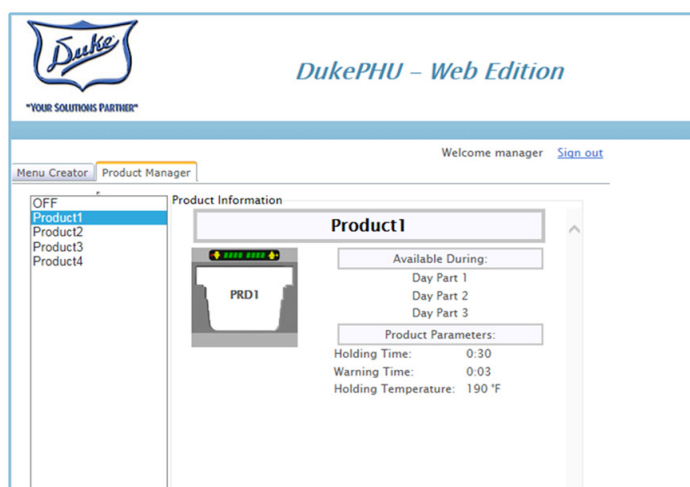
Type the assigned User Name.

Type the password.

Click the Log In button.

Click on Product Manager tab

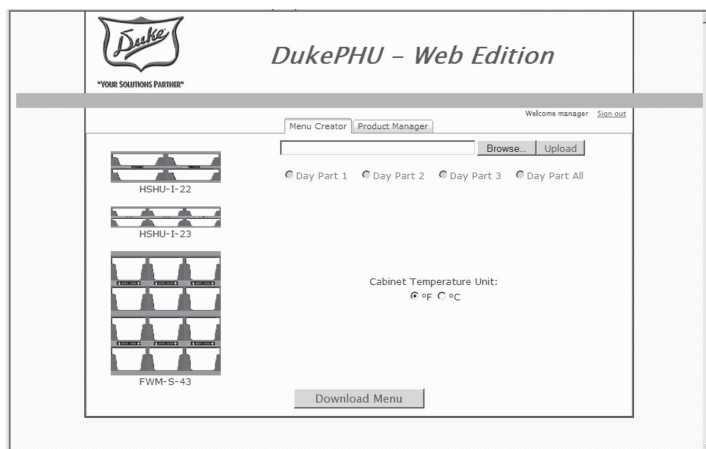
Select product and verify cook parameters are correct for all recipes.



Cabinets are configured using the Menu Creator tab.

Select the unit configuration that will be programmed.

Use scroll bar to find additional configurations.



NOTE: You must program all 3 day parts EACH TIME a program is created.

Select the day part to be programmed. If only one day part is required, or if you wish for all dayparts to be the same. select Day Part All.

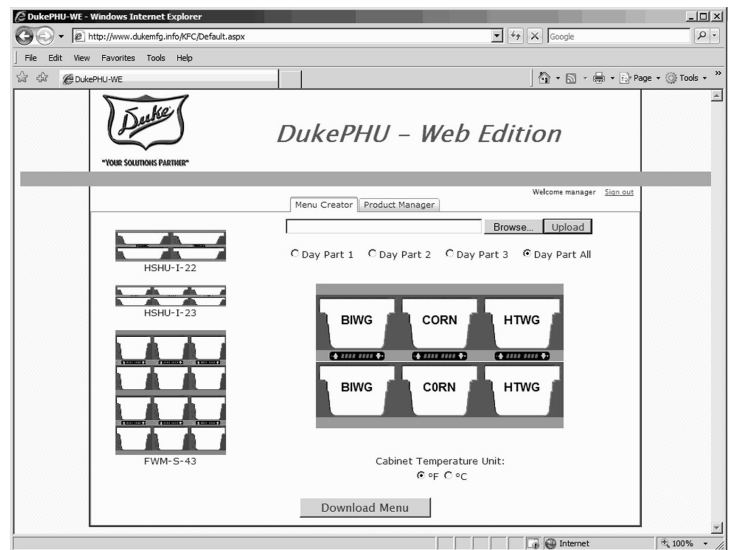
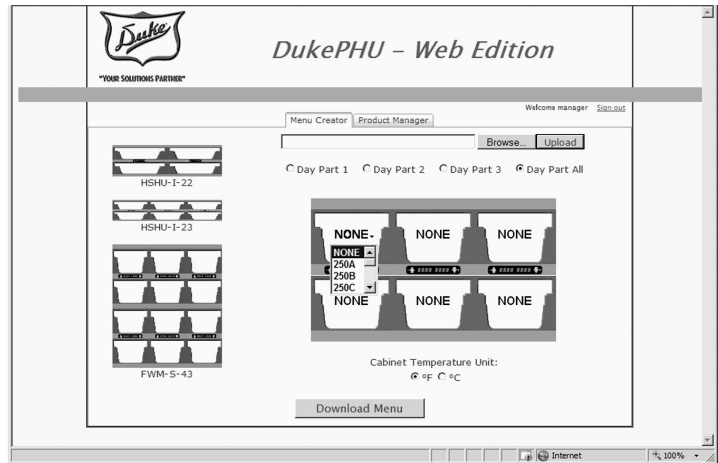
Select the Cabinet Temperature Units F° or C°.

Place the curser over the well to be programmed and click to display the list of choices.

Scroll through the drop down list and click the item to be programmed.

Click on **NONE** for each remaining well and select desired menu item from dropdown list.

Repeat for Daypart 2 and 3





NOTE: All Day Parts should be configured prior to download

Click Download Menu

NOTE: Not all browsers will pop up with window to open or save

Click on Save

Click on Save as

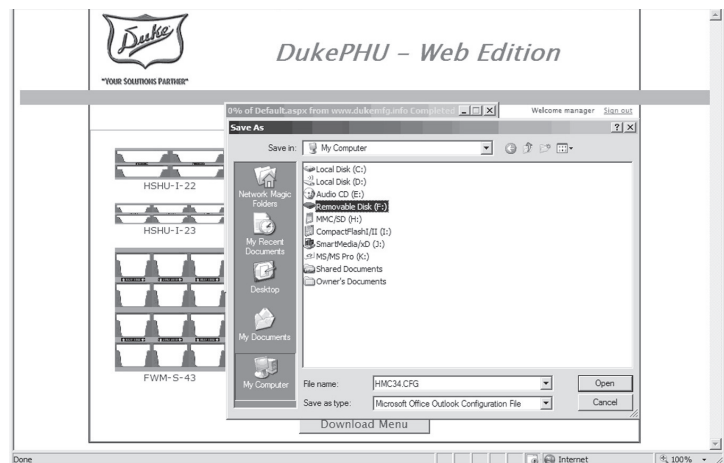
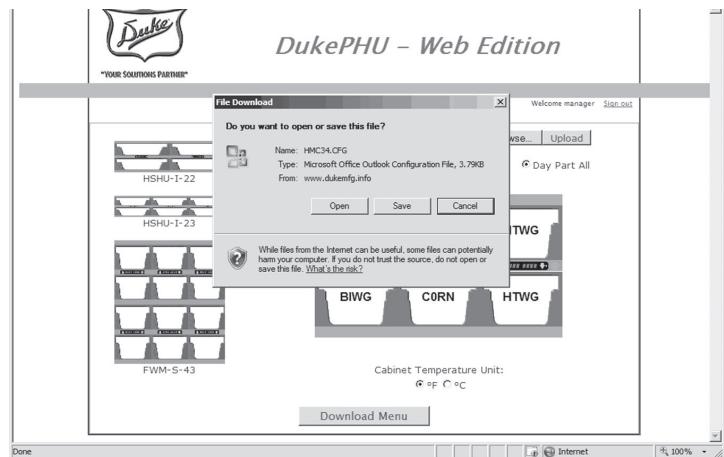
The Save As dialog box will be displayed. The appearance of the screen may vary depending on the computer settings.

Ensure file is saving to Duke USB flash drive (P/N [156218](#))

Note: Depending on computer settings, you may be directed to the flash drive automatically or found in download folder.

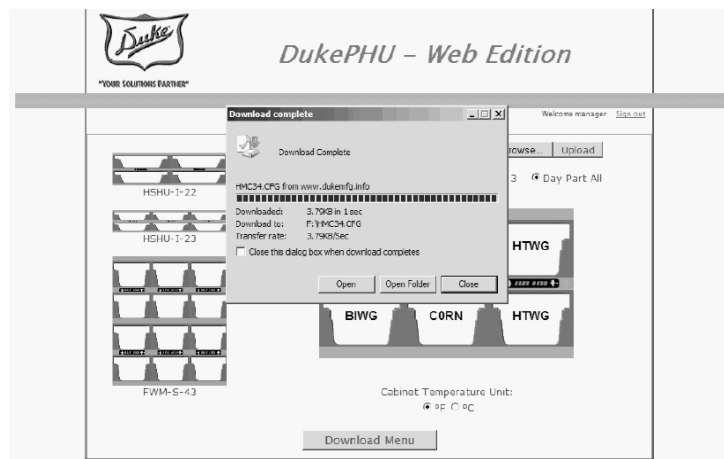
NOTE: **DO NOT** customize the filename.

Ensure the File name is only **HMC34**



Wait until the file is completely saved on the Flash drive.

Use the Flash drive's eject option to safely remove the Flash drive from the computers USB port.



Move the power switch on the Duke PHU cabinet to its OFF position.

Insert the USB Flash drive into the PHU cabinet's USB port.

Turn unit to ON position

The program download will start automatically.

Download complete when product temperatures appear. Wait up to 2 minutes for program to load. The product names will not appear on the screen until the wells heat to the selected product set point.

Remove the Flash Drive from the PHU cabinet's USB drive.



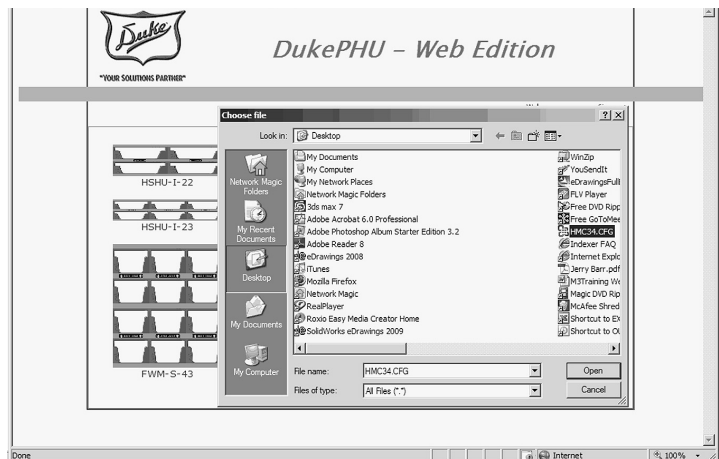
## REVISING A CABINET SETTING

Insert a blank jump drive into the PHU. Ensure that the jump drive is blank. If an HCM34.cfm file is on the jump drive it will overwrite the programming loaded in the PHU.

If the program is on the jump drive and it is the last one loaded into the PHU insert the jump drive into a USB port on the computer.

Log onto the Website. On the Menu Creator click Browse.

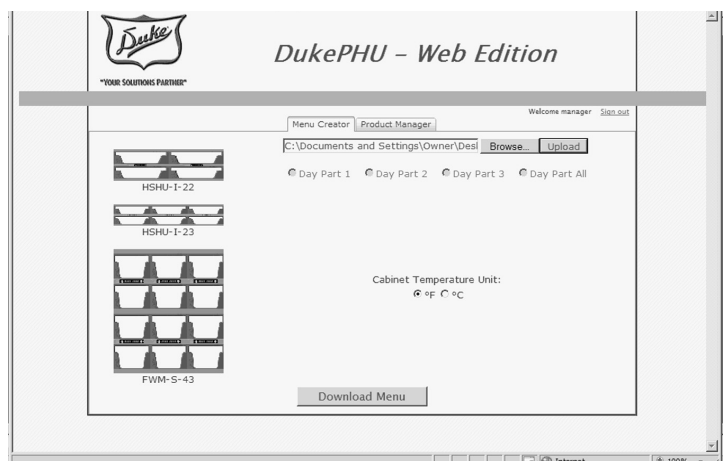
Find the jump drive on the computer and locate the HCM34.cfm file.



Double click on the HCM34.cfm file. When it appears in the dialog box, click Upload.

The cabinet with all of its programmed products will appear.

Make the desired changes and repeat the download process.



NOTES

## CUSTOMER ASSISTANCE

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|--------------------------|-----------------------|
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# **Manuel d'instructions**

## **UNITÉ DE STOCKAGE D'ALIMENTS GUIDE WEB DE PROGRAMMATION PAR LE GÉRANT**



**Lire ce manuel en totalité avant de procéder à la  
programmation de l'unité.**

---

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## PROGRAMMATION WEB

### CRÉER UN NOUVEAU MENU

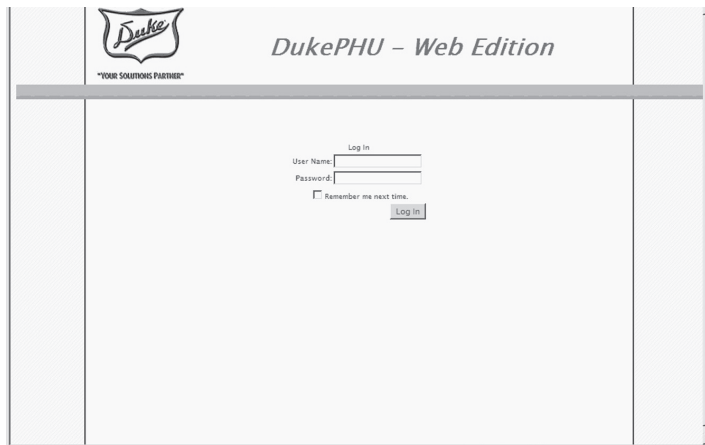
Ouvrez le navigateur Internet Explorer.

Écrivez ou copiez l'adresse Web dans la barre de recherche du navigateur et appuyez sur Entrer.

Si le site Internet client n'est pas configuré, veuillez contacter le DÉPARTEMENT DE SERVICE TECHNIQUE de Duke Manufacturing, au 800-735-3853.

Connectez-vous à DukePHUwebsite  
[www.dukemfg.info/\\*\\*\\*\\*\\*](http://www.dukemfg.info/)

*Une adresse et un mot de passe unique sont fournis à l'achat. Si nécessaire, contactez le DÉPARTEMENT DE SERVICE TECHNIQUE.*



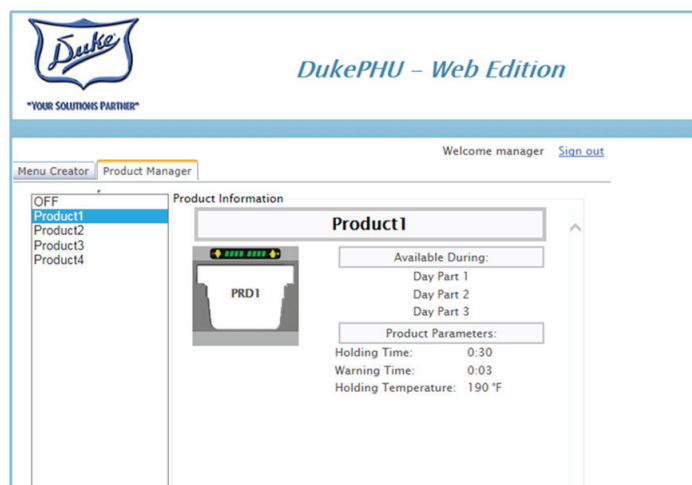
Écrivez le nom d'utilisateur assigné.

Écrivez le mot de passe.

Cliquez sur le bouton « connexion. »

Cliquez sur l'onglet « Gestion du produit »

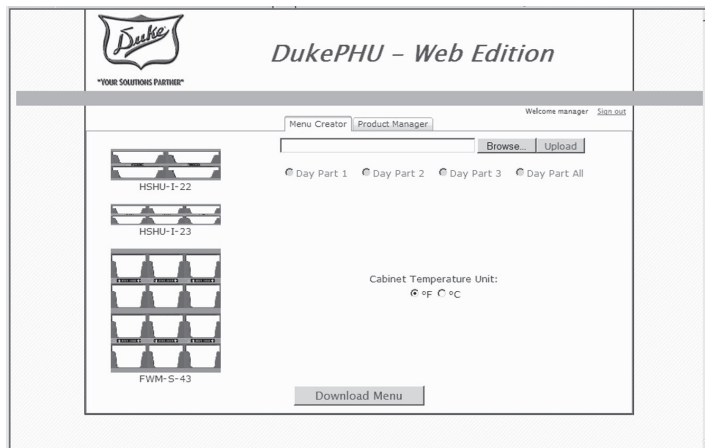
Sélectionnez le produit et vérifiez que les paramètres de cuisson soient corrects pour toutes les recettes.



Les cabinets sont configurés grâce à onglet « créer un menu ».

Sélectionnez la configuration de l'unité qui sera programmée.

Utilisez la barre de défilement pour trouver des configurations supplémentaires.





**REMARQUE :** Vous devez programmer les 3 parties du jour, CHAQUE FOIS qu'un programme est créé.

Sélectionnez la partie du jour à programmer. Si seulement une partie de jour est exigée ou si vous souhaitez utiliser la même programmation pour toutes les parties, sélectionnez DAY PART ALL.

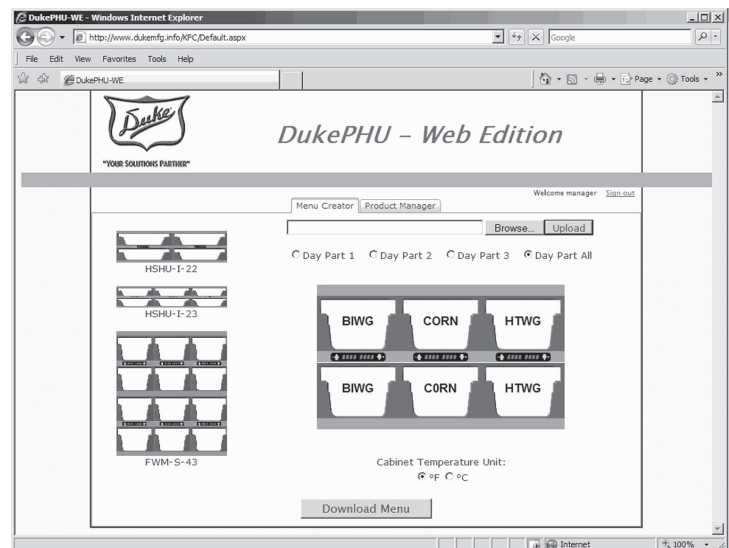
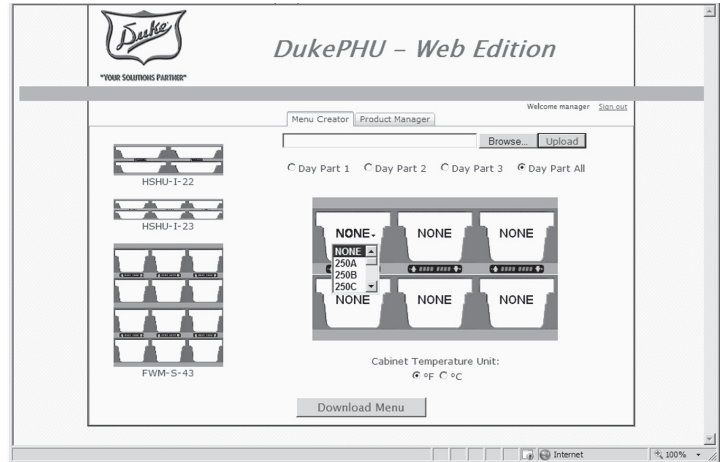
Sélectionnez les unités de température du cabinet, en °F ou en °C.

Placez le curseur sur la roue devant être programmée et cliquez pour afficher la liste des choix.

Défilez la liste et cliquez sur le produit devant être programmé.

Cliquez sur **AUCUN** pour chaque roue restante et sélectionnez le produit du menu désiré à partir de la liste de défilement.

Répétez pour la partie du jour 2 et 3.



**REMARQUE :** Toutes les parties de jour doivent être configurées avant le téléchargement.

Cliquez sur le menu des téléchargements.

**REMARQUE :** Pas tous les navigateurs offrent une fenêtre pop-up pour ouvrir ou sauvegarder un document.

Cliquez sur sauvegarder.

Cliquez sur sauvegarder sous.

La boîte de dialogue de "Sauvegarder sous" sera affichée. L'apparence sur l'écran pourrait changer selon les paramètres de l'ordinateur.

Assurez-vous que le fichier est sauvegardé sur la clé USB Duke (P/N [156218](#)).

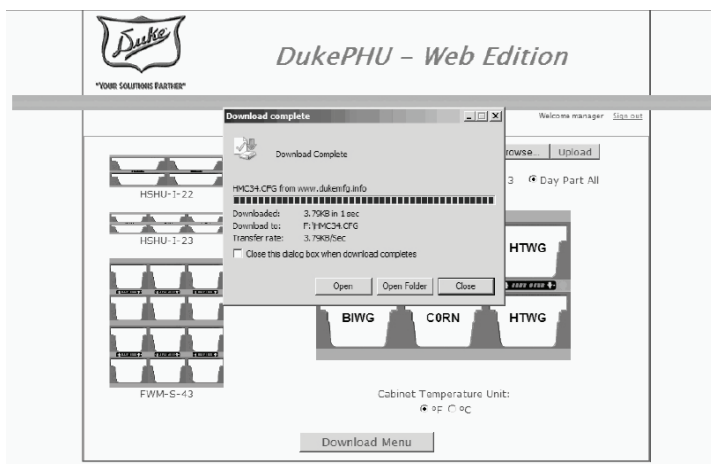
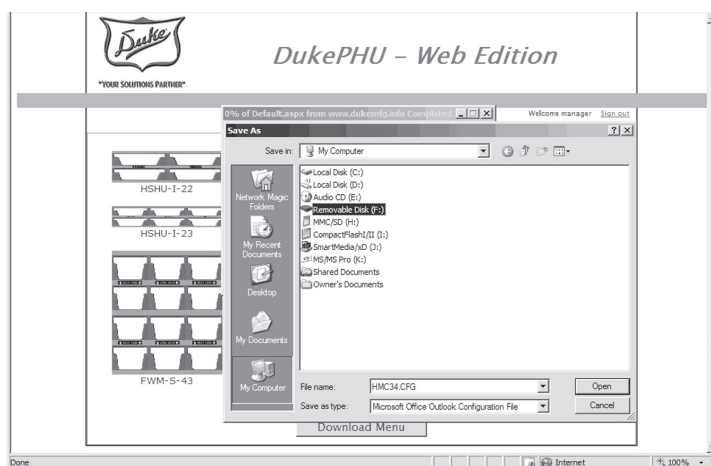
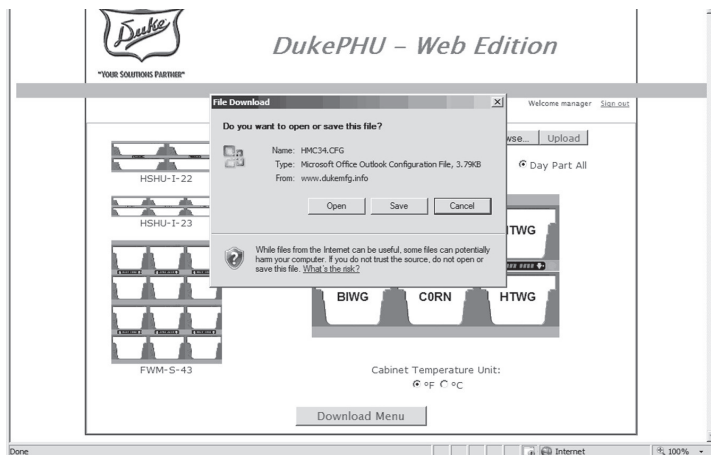
Remarque : Selon les paramètres de l'ordinateur, vous pourriez être redirigé automatiquement vers la clé USB ou le retrouvez dans le fichier des téléchargements.

**REMARQUE : NE PAS** personnaliser le nom du fichier.

Assurez-vous que le nom du fichier soit seulement **HMC34**.

Attendez que le fichier soit complètement sauvegardé sur la clé USB.

Utilisez l'option d'éjection de la clé USB pour enlever la clé USB de votre port USB de manière sécuritaire.



Mettez l'interrupteur du cabinet PHU de Duke en position OFF.

Insérez la clé USB dans le port USB du cabinet PHU.

Mettez l'interrupteur en position ON.

Le téléchargement du programme commencera automatiquement.

Le téléchargement est complet lorsque la température du produit apparaît. Attendez jusqu'à deux minutes pour la fin du téléchargement du programme. Les noms du produit n'apparaîtront pas sur l'écran, et ce, jusqu'à ce que les roues se réchauffent jusqu'au point déterminé du produit sélectionné.

Retirez la clé USB du port USB du cabinet PHU.



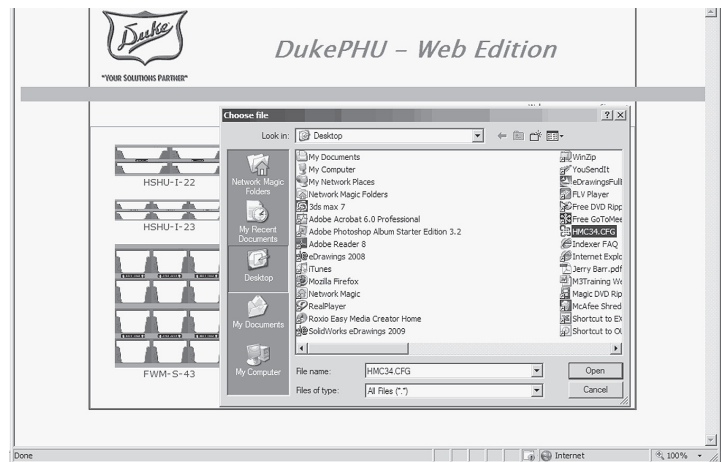
## RÉVISER UN PARAMÈTRE DU CABINET

Insérez un jump drive dans le PHU. Assurez-vous qu'il soit vide. Si un fichier HCM34.cfm est sur le jump drive, il effacera le programme téléchargé dans le PHU.

Si le programme est sur le jump drive et qu'il est le dernier à être téléchargé sur le PHU, insérez le jump drive dans un port USB de l'ordinateur.

Connectez-vous sur le site Internet. Sur le créateur de menu, cliquez sur Navigation.

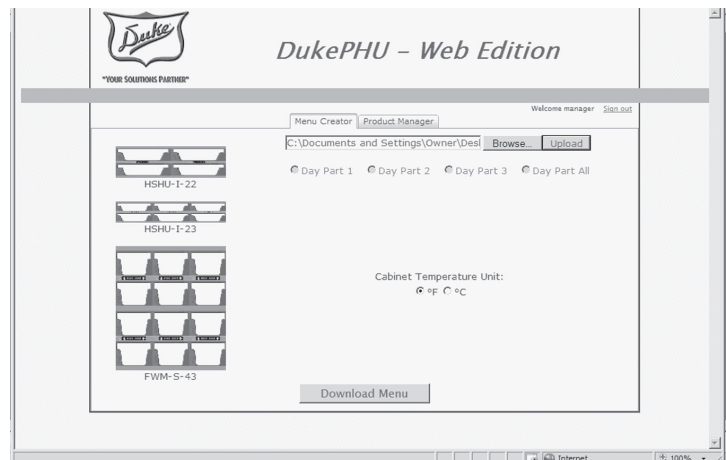
Trouvez le jump drive sur l'ordinateur et localisez le fichier HCM34.cfm.



Double-cliquez sur le fichier HCM34.cfm. Lorsqu'il apparaîtra dans la boîte de dialogue, cliquez sur « Télécharger ».

Le cabinet et tous ses produits programmés apparaîtront.

Faites les changements désirés et répétez le processus de téléchargement.





## CUSTOMER ASSISTANCE

To aid in reporting this unit in case of loss or theft, please record below the model number and serial number located on the unit. We also suggest you record all the information listed and retain for future reference.

|                          |                       |
|--------------------------|-----------------------|
| <b>MODEL NUMBER:</b>     | <b>SERIAL NUMBER:</b> |
| <b>DATE OF PURCHASE:</b> |                       |
| <b>DEALER:</b>           | <b>TELEPHONE:</b>     |
| <b>SERVICER:</b>         | <b>TELEPHONE:</b>     |

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**TO ACCESS INTERNET: [www.dukemfg.com](http://www.dukemfg.com)**

Please provide the following information when you write or call: model number, serial number, date of purchase, your complete mailing address (including zip code), and description of the problem.



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# **Bedienungsanleitung**

## **WARMHALTESCHRANK – MANAGER WEB PROGRAMMIERANLEITUNG**



**Bitte lesen Sie diese Anleitung vollständig durch, bevor Sie versuchen, den Warmhalteschrank zu programmieren.**

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Fax: +1-314-231-5074  
[www.dukemfg.com](http://www.dukemfg.com)



# WEB-PROGRAMMIERUNG

## Erstellen eines Neuen Menüs

Öffnen Sie den Internet Explorer Webbrowser.

Kopieren oder geben Sie die Website-Adresse in das Adressfeld des Browsers ein und drücken Sie die Eingabetaste.

Wenn Ihre Kunden-Website NICHT eingerichtet wurde, wenden Sie sich bitte telefonisch unter +1-800-735-3853 an die TECHNISCHE KUNDENDIENSTABTEILUNG von Duke Manufacturing.

Melden Sie sich bei der Duke PHU-Website unter [www.dukemfg.info/\\*\\*\\*\\*\\*](http://www.dukemfg.info/*****) an.

Die vollständige Adresse und das Passwort erhalten Sie mit den Verkaufsunterlagen. Wenden Sie sich falls erforderlich an die TECHNISCHE KUNDENDIENSTABTEILUNG.

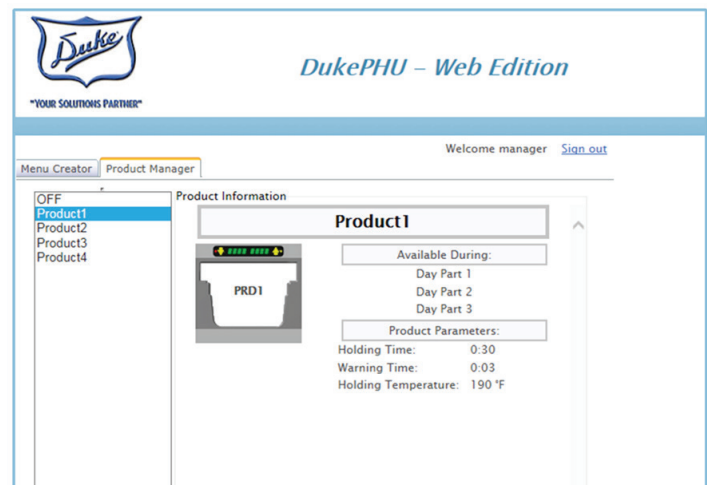
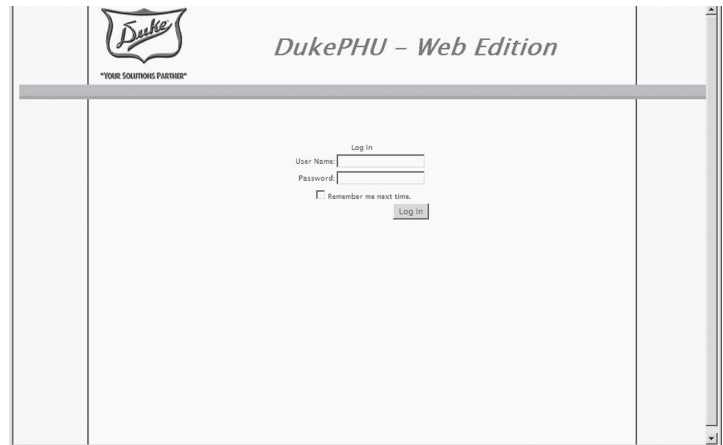
Geben Sie den zugewiesenen Benutzernamen ein.

Geben Sie das Passwort ein.

Klicken Sie auf die Schaltfläche „Log In“ (Anmelden).

Klicken Sie auf die Registerkarte „Product Manager“ (Produktmanager).

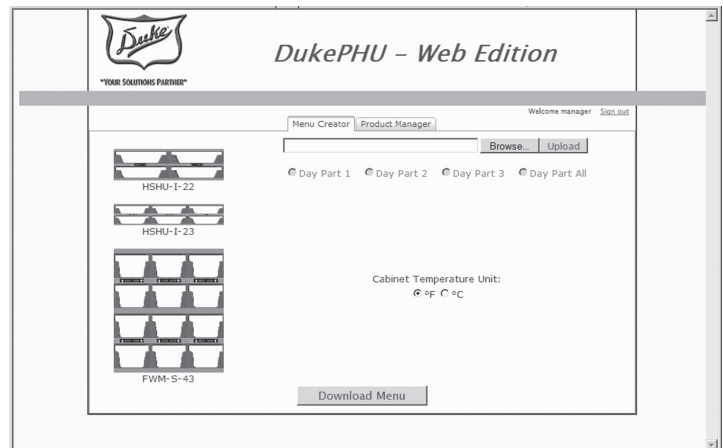
Wählen Sie das gewünschte Produkt aus und stellen Sie sicher, dass die Kochparameter für alle Rezepte richtig sind.



Die Warmhalteschränke werden auf der Registerkarte „Menu Creator“ (Menüersteller) konfiguriert.

Wählen Sie die zu programmierende Gerätekonfiguration.

Verwenden Sie falls erforderlich die Bildlaufleiste, um weitere Konfigurationen zu finden.



**HINWEIS:** Sie müssen JEDES MAL, wenn ein Programm erstellt wird, alle drei Tageszeiten programmieren.

Wählen Sie die zu programmierende Tageszeit. Wenn nur eine einzige Tageszeit erforderlich ist oder wenn Sie für alle Tageszeiten die gleichen Einstellungen verwenden möchten, wählen Sie „Day Part All“ (Alle Tageszeiten).

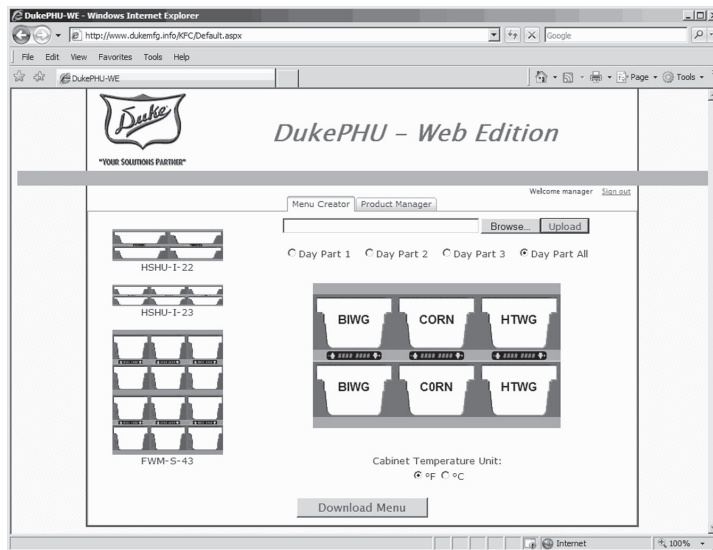
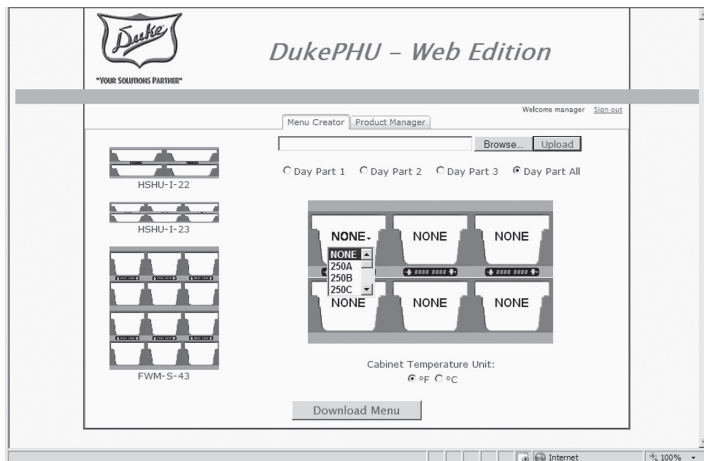
Wählen Sie unter „Cabinet Temperature Units“ (Einheit der Schranktemperatur) entweder „°F“ oder „°C“.

Positionieren Sie den Cursor über der zu programmierenden Wanne und klicken Sie darauf, um die verfügbaren Optionen anzuzeigen.

Durchlaufen Sie die Drop-down-Liste und klicken Sie auf die zu programmierende Option.

Klicken Sie für alle verbleibenden Fächer auf NONE (Keine) und wählen Sie die gewünschte Menüoption aus der Dropdown-Liste aus.

Wiederholen Sie das Verfahren für die Tageszeit 2 und 3.



**HINWEIS:** Vor dem Download sollten alle Tageszeiten konfiguriert worden sein.

Klicken Sie auf „Download Menu“ (Menü herunterladen).

**HINWEIS:** Nicht alle Browser öffnen ein Fenster mit der Option zum Öffnen oder Speichern.

Klicken Sie auf „Save“ (Speichern).

Klicken Sie auf „Save As“ (Speichern unter).

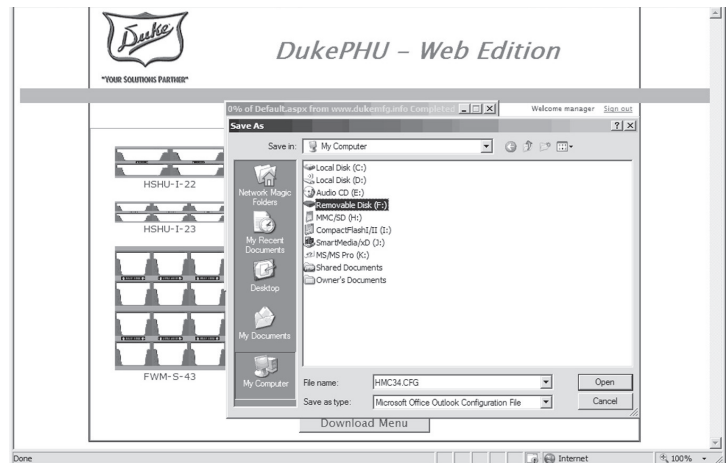
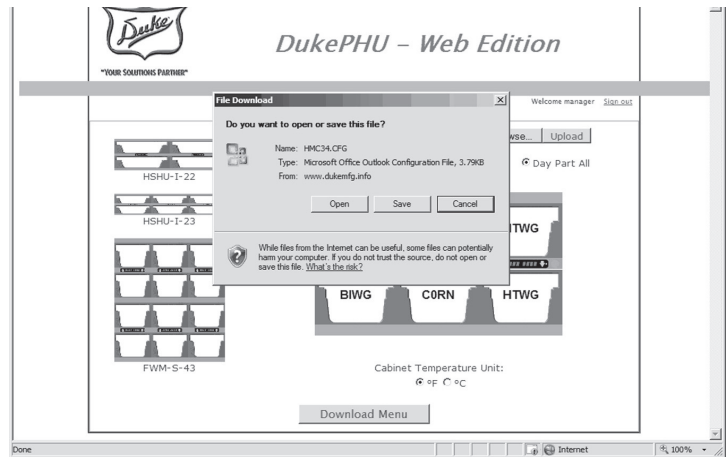
Das Dialogfeld „Save As“ (Speichern unter) wird angezeigt. Das Erscheinungsbild des Bildschirms ist von den Einstellungen des Computers abhängig.

Stellen Sie sicher, dass die Datei auf dem Duke USB-Memorystick (Teilenr. [156218](#)) gespeichert wird.

**HINWEIS:** Abhängig von den Einstellungen des Computers wird der Memory-Stick ggf. automatisch angezeigt bzw. die Datei ist im Download-Ordner zu finden.

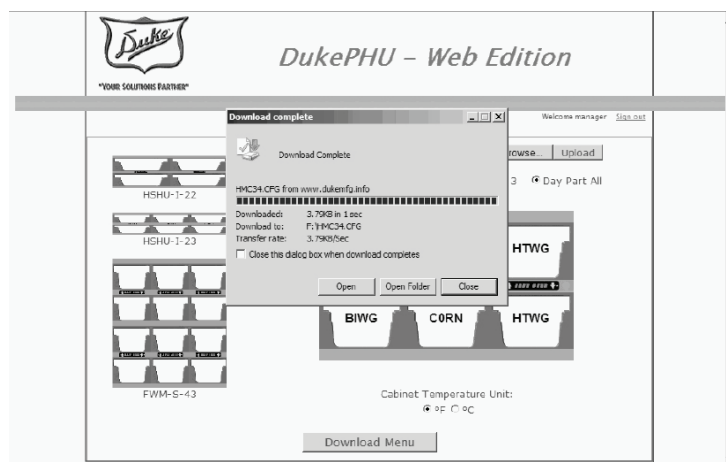
**HINWEIS:** KEINE Änderungen am Dateinamen vornehmen.

Sicherstellen, dass der Dateiname ausschließlich HMC34 ist.



Warten Sie, bis die Datei vollständig auf dem Memory-Stick gespeichert wurde.

Verwenden Sie die Auswurfoption des Memory-Stick, um den Stick sicher aus dem USB-Anschluss zu entfernen.



Stellen Sie den Netzschalter am Duke Warmhalteschrank auf AUS.

Stecken Sie den USB-Memorystick in den USB-Anschluss des Warmhalteschranks.

Stellen Sie den Netzschalter auf EIN.

Das Programm wird automatisch heruntergeladen.

Der Download ist abgeschlossen, wenn Produkttemperaturen angezeigt werden. Bis zu zwei Minuten warten, damit das Programm geladen werden kann. Die Produktbezeichnungen erscheinen erst dann auf dem Bildschirm, wenn die Fächer auf den für das Produkt ausgewählten Sollwert erwärmt wurden.

Entfernen Sie den Memory-Stick aus dem USB-Anschluss des Warmhalteschranks.



## Ändern einer Schrankeinstellung

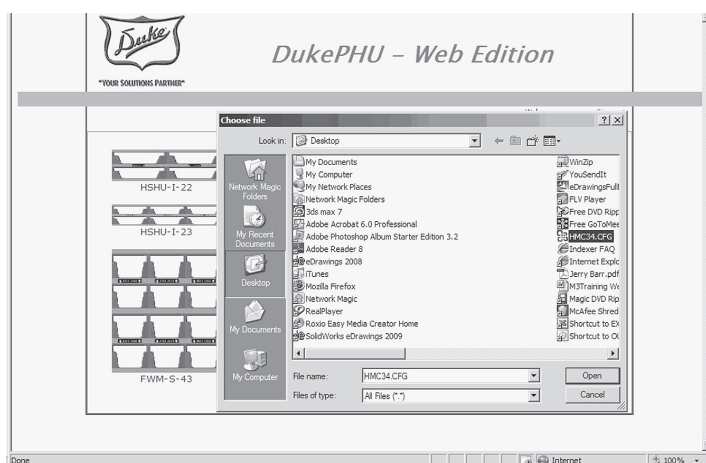
Stecken Sie einen leeren Memory-Stick in den Warmhalteschrank. Stellen Sie sicher, dass der Memory-Stick leer ist. Sollte eine HCM34.cfm Datei auf dem Memory-Stick gespeichert sein, werden die im Warmhalteschrank programmierten Einstellungen überschrieben.

Wenn das Programm auf dem Memory-Stick vorhanden ist und das letzte Programm ist, das im Warmhalteschrank geladen wurde, stecken Sie den Memory-Stick in einen USB-Anschluss des Computers.

Melden Sie sich bei der Website an. Klicken Sie auf der Registerkarte „Menu Creator“ (Menüersteller) auf „Browse“ (Durchsuchen).

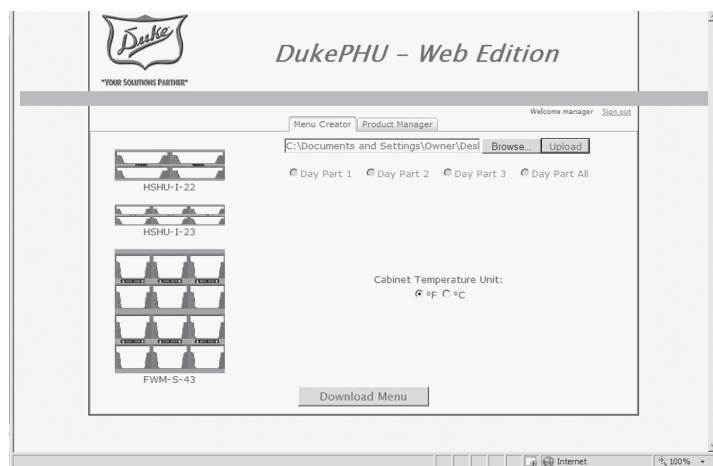
Gehen Sie zum Memory-Stick auf dem Computer und suchen Sie die HCM34.cfm Datei.

Doppelklicken Sie auf die HCM34.cfm Datei. Wenn die Datei im Dialogfeld erscheint, klicken Sie auf „Upload“ (Hochladen).



Alle programmierten Produkte des Warmhalteschranks werden angezeigt.

Nehmen Sie die gewünschten Änderungen vor und wiederholen Sie den Download.





## CUSTOMER ASSISTANCE

To aid in reporting this unit in case of loss or theft, please record below the model number and serial number located on the unit. We also suggest you record all the information listed and retain for future reference.

|                          |                       |
|--------------------------|-----------------------|
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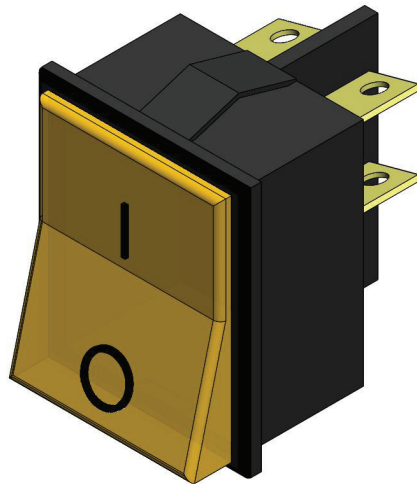




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# INSTALLATION INSTRUCTIONS

## MAIN SWITCH REPLACEMENT INSTRUCTIONS



Items required for this installation:

- #2 Cross Tip Screwdriver

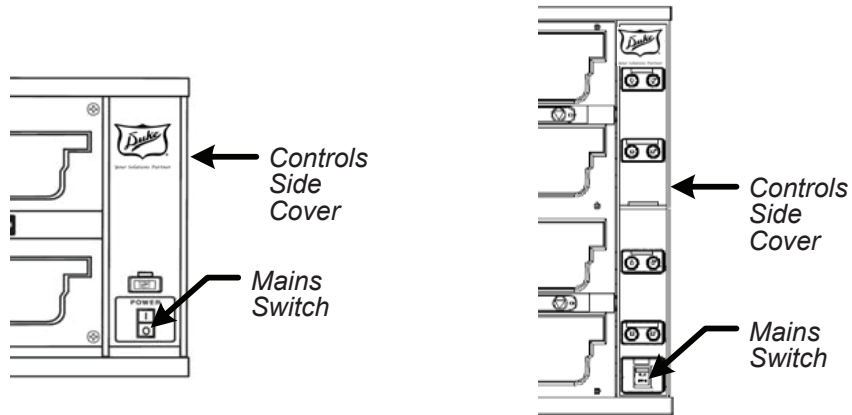
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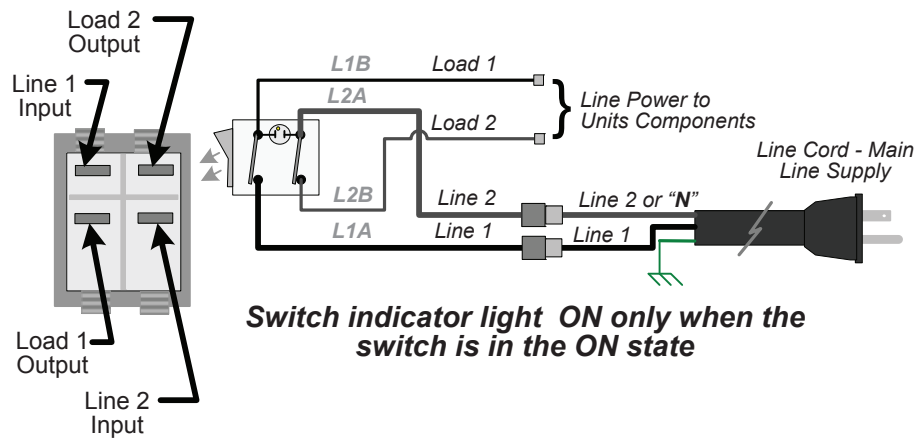
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- 1) Turn unit Off & unplug the unit's power cord.
- 2) Remove the controls side cover.



- 3) Unplug the 4 connections to the problem switch.
- 4) Depress the switch retaining clips from inside the unit & push the switch forward through the front of the unit.
- 5) Push the new switch into the unit from the front until the switch is fully seated. The switch bezel should be tight and flush with the front face of the unit.
- 6) Locate the wires to the switch from the line supply cord and connect to the switch terminals as shown below.
- 7) Locate the wires from the switch to the unit's components (Load wires) and connect to the switch terminals as shown below.
- 8) Reinstall the control side cover, plug in the unit's power cord.
- 9) Verify the main switch indicator light is "Off" with the switch in the "Off" position (" 0 ") and that the indicator light is "On" with the switch in the "On" position (" I ").



**Note 1:** Switches are constructed with either the “ON” indicator light connected across the center terminals or the end terminals.

Incorrect connections to the mains switch leaves the indicator light always On independent of the switch On/Off state.

**Note 2:** There is unit to unit variation in wire insulation color usage and wire labeling, but wiring directly connected to the line cord and the unit’s components are readily identifiable.

**Additional Technical Information:** The replacement switch connections invert “Line” and “Load” on one contact set. This inversion provides proper indicator light activation with the switch in the “On” position independent of the actual indicator light to terminal connection internal to the switch. Internal indicator light connections are a variable between switch manufacturers.



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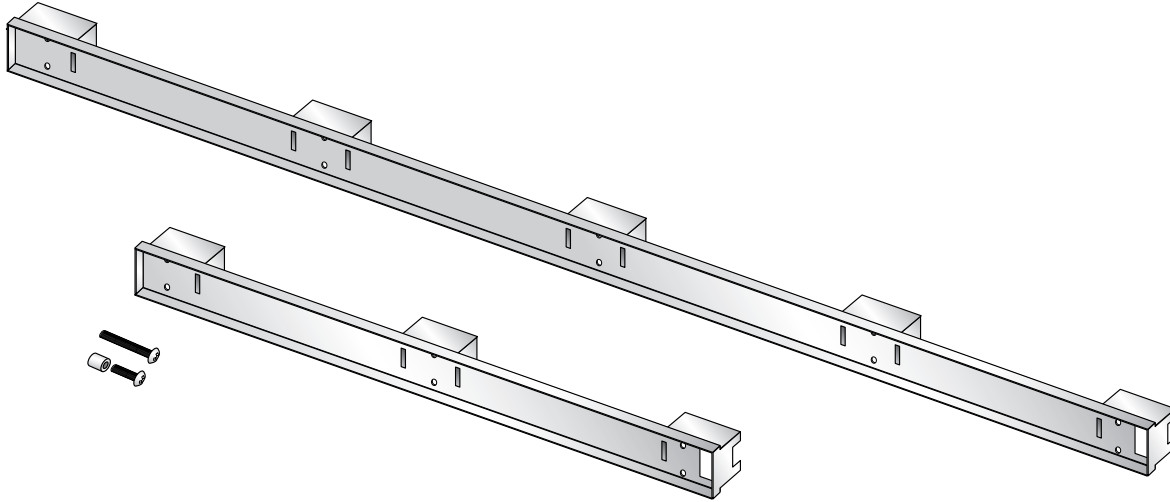
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# INSTALLATION INSTRUCTIONS

## FWM TIMER BAR AND CONTROL SPACER



### Part Numbers:

- 160616 - Standoff Assy 2 Wide
- 160617 - Standoff Assy 4 Wide
- 160610 - Control Standoffs
- 160647 - #8 x 2 1/2" Screws
- 0430086 - #8 X 3/4" Screws
- 0297325 - Silicone Tube
- 176019 - Alcohol Pads

### Items required for this installation:

- Cross Tip Screwdriver

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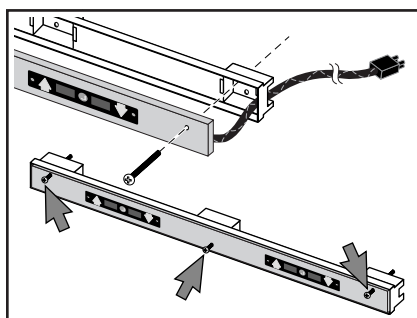
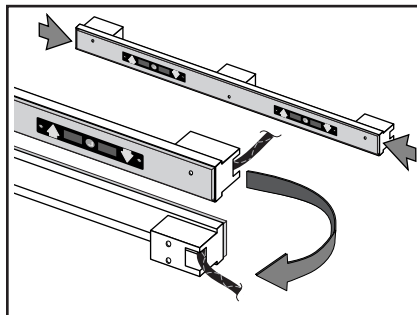
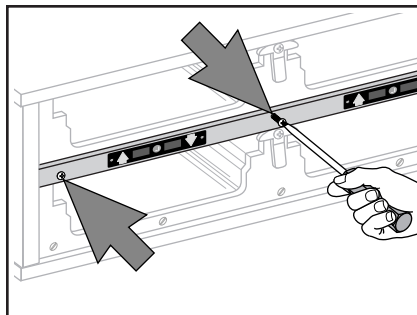
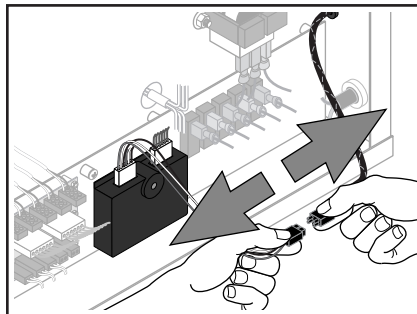
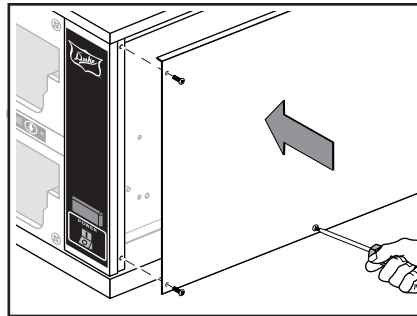
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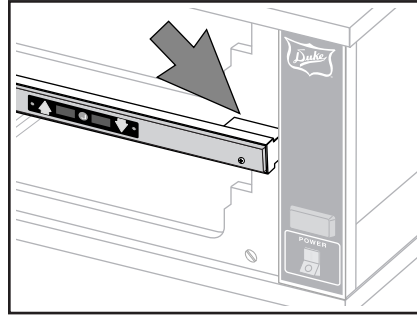
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## Installation - Timer Bar Spacers

1. Disconnect unit power.
2. Remove control side panel by removing (4) screws.
3. Disconnect Timer Bar wiring harness.
4. Remove and discard screws which secure Timer Bar and carefully remove wire harness from unit.
5. Ensure proper orientation of Standoff before securing to back of Timer Bar. Ensure opening for wire harness is at the correct end.
6. Place Standoff on back of Timer Bar and ensure the ends are flush.
7. Route wire harness through to the control compartment and mount the Timer Bar in place, using a screwdriver and 2 1/2" long screws.

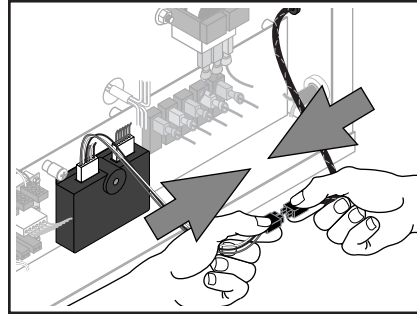


8. Add silicone caulk to any noticeable gaps.



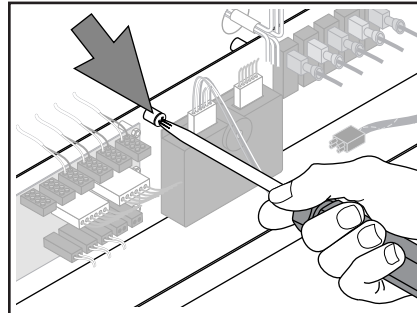
9. Connect Timer Bar wiring harness.

**REPEAT PROCESS FOR  
ALL TIMER BARS**

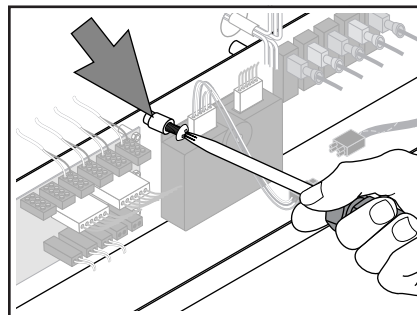


### Installation – Control Board Standoffs

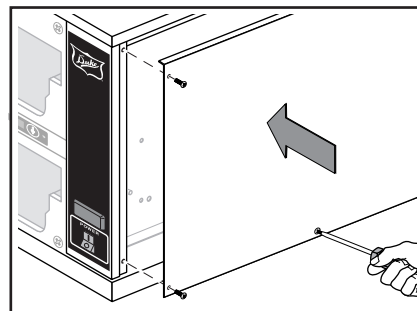
1. Remove and discard (4) screws which secure Control Board.  
**USE CAUTION TO AVOID  
DAMAGE TO WIRING**



2. Install the lower 2 Controller Standoffs first with 3/4" long screw.
3. Place Controller on the lower standoffs, then install the 2 top spacers.
4. Tighten all 4 screws.
5. Assure 2 connectors on the control are properly seated.



6. Replace Cover Panel.
7. Reconnect unit to power and verify proper function.







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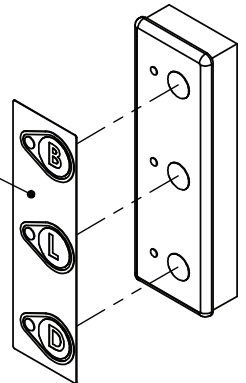
**EU Headquarter Office  
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Prologis Park D1 West  
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Ricany-Jazlovice, 251 01  
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Exeter  
Devon - UK EX5 1EW  
Tel: 01395 234140  
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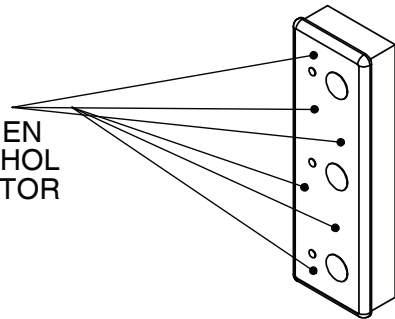
**Asia Office  
Duke Food Service Equipment Company Limited  
1F, Building #17-2  
658 Nong Jin Zhong Road  
Shanghai 200335 China  
Phone: 86 21 6876 9272  
FAX: 86 21 33600628**

# Daypart Mylar Replacement Instructions

1. REMOVE OLD OVERLAY FROM DAYPART SWITCH ASSEMBLY.

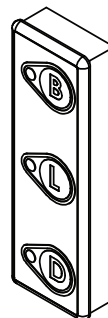
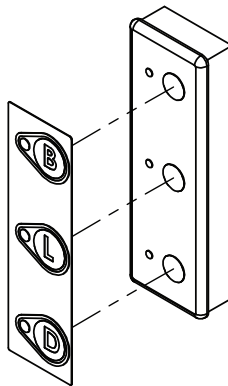


2. REMOVE ANY OLD ADHESIVE AND THEN WIPE USING ALCOHOL PAD AND APPLICATOR (PROVIDED).



NOTE: SURFACE MUST BE FREE OF OILS AND OLD ADHESIVE.

- 3a. ALLOW ALCOHOL TO DRY - REMOVE LABEL BACKING AND APPLY NEW MYLAR AS SHOWN



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## CUSTOMER ASSISTANCE

To aid in reporting this unit in case of loss or theft, please record below the model number and serial number located on the unit. We also suggest you record all the information listed and retain for future reference.

MODEL NUMBER \_\_\_\_\_

SERIAL NUMBER \_\_\_\_\_

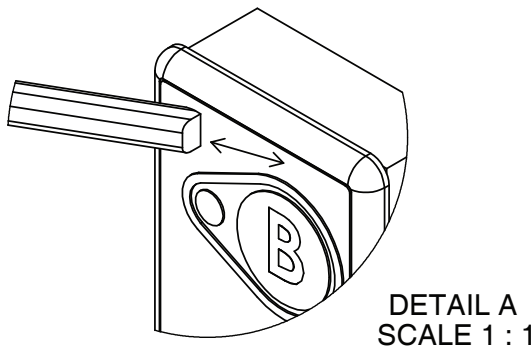
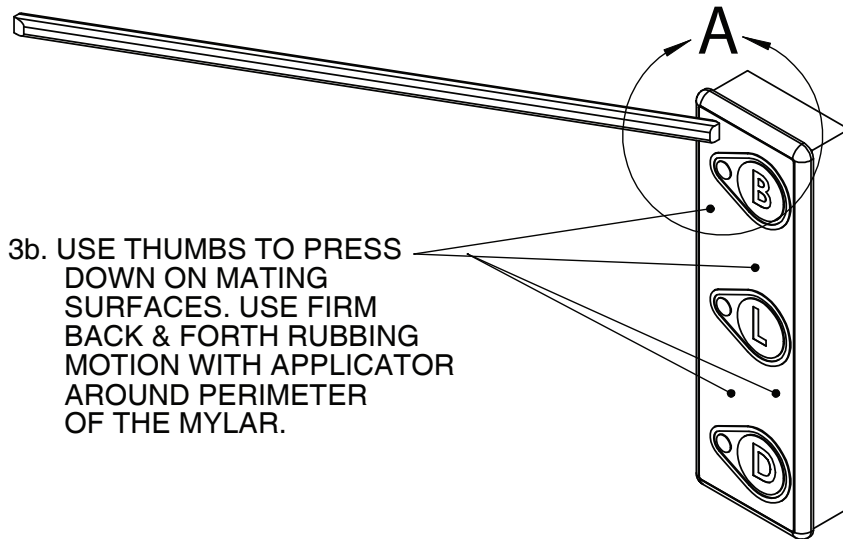
DATE OF PURCHASE \_\_\_\_\_

DEALER \_\_\_\_\_

TELEPHONE \_\_\_\_\_

SERVICER \_\_\_\_\_

TELEPHONE \_\_\_\_\_



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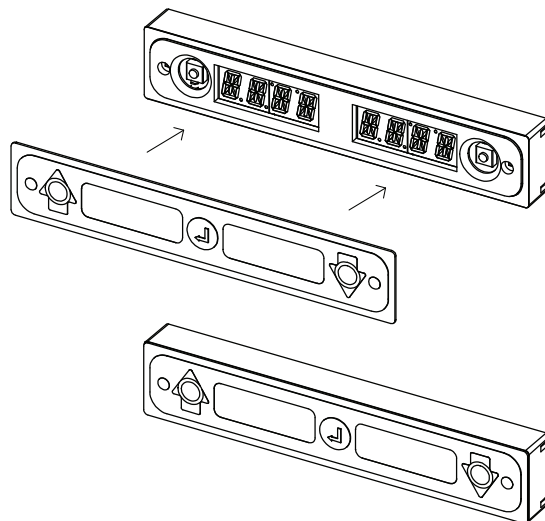
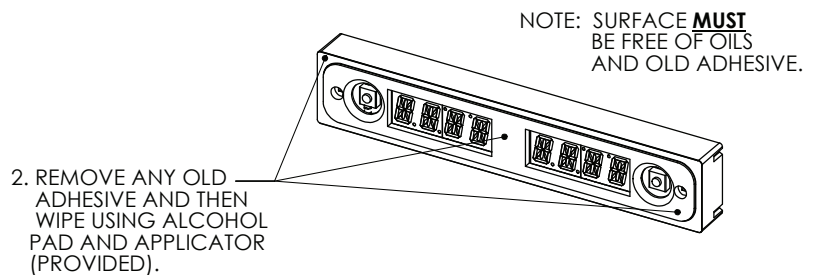
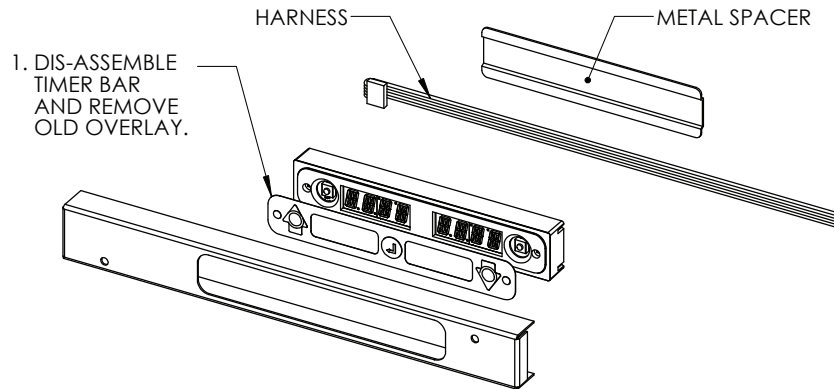
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Shanghai 201801, China  
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**TO ACCESS INTERNET: [www.dukemfg.com](http://www.dukemfg.com)**

Please provide the following information when you write or call: model number, serial number, date of purchase, your complete mailing address (including zip code), and description of the problem.

# Keypad Mylar Replacement Instructions



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## CUSTOMER ASSISTANCE

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MODEL NUMBER \_\_\_\_\_

SERIAL NUMBER \_\_\_\_\_

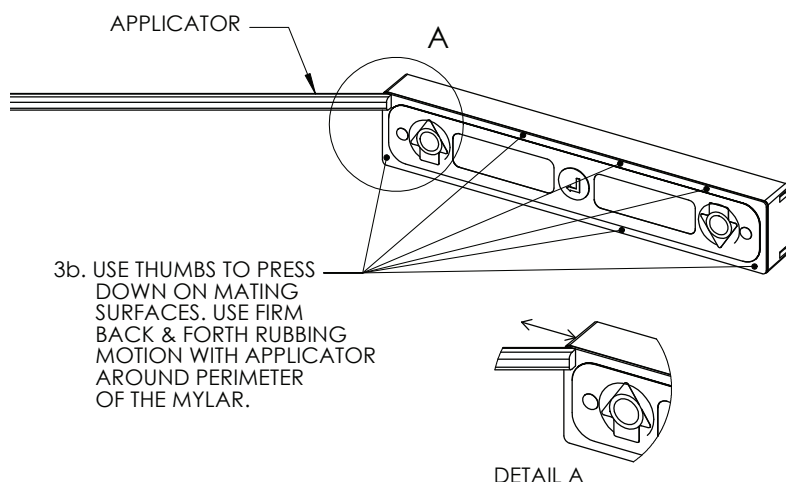
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DEALER \_\_\_\_\_

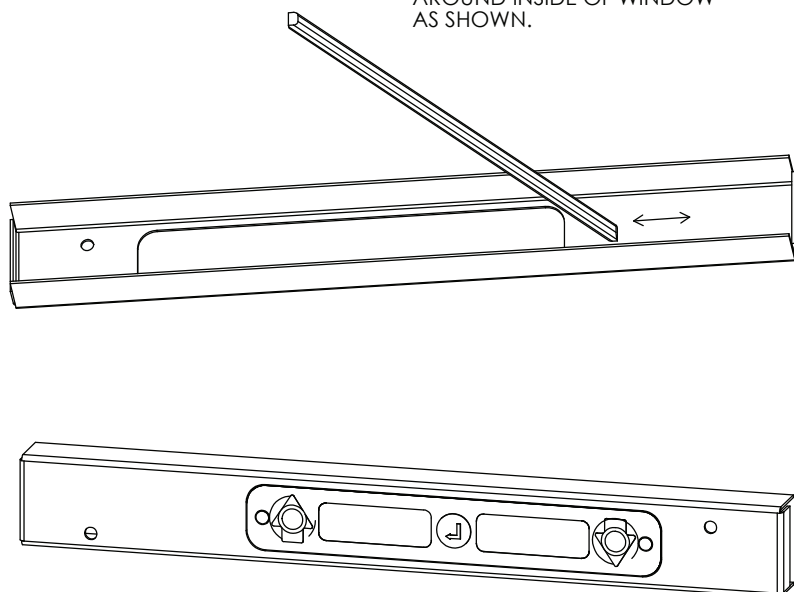
TELEPHONE \_\_\_\_\_

SERVICER \_\_\_\_\_

TELEPHONE \_\_\_\_\_



4. USE APPLICATOR TOOL TO SCRAPE OFF ANY REMAINING ADHESIVE AROUND INSIDE OF WINDOW AS SHOWN.



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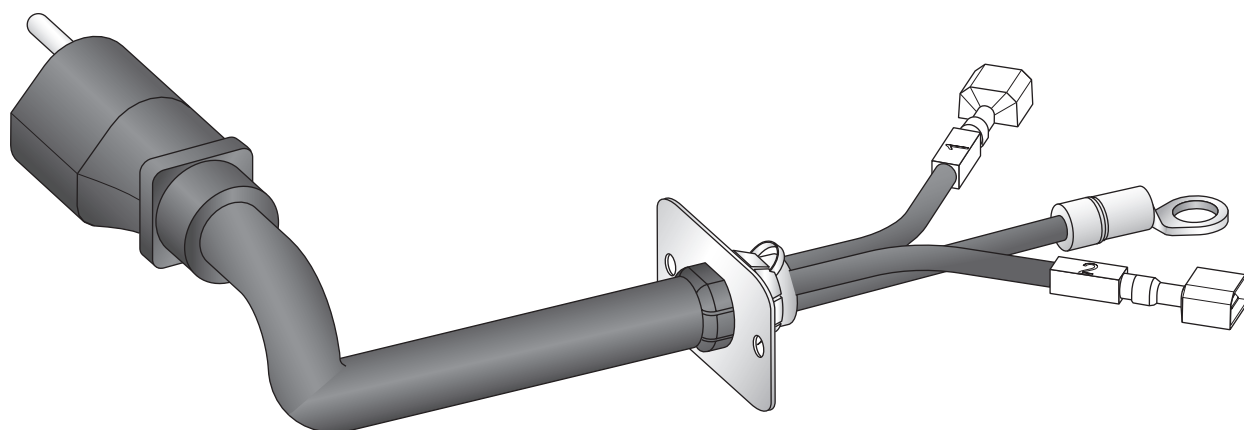
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# INSTALLATION INSTRUCTIONS

## POWER CORD REPLACEMENT INSTRUCTIONS FOR DUKE KIT# 600176



Items required for this installation:

- Cross Tip screw driver
- 3/8 Nut Driver or Wrench
- Adjustable Pliers

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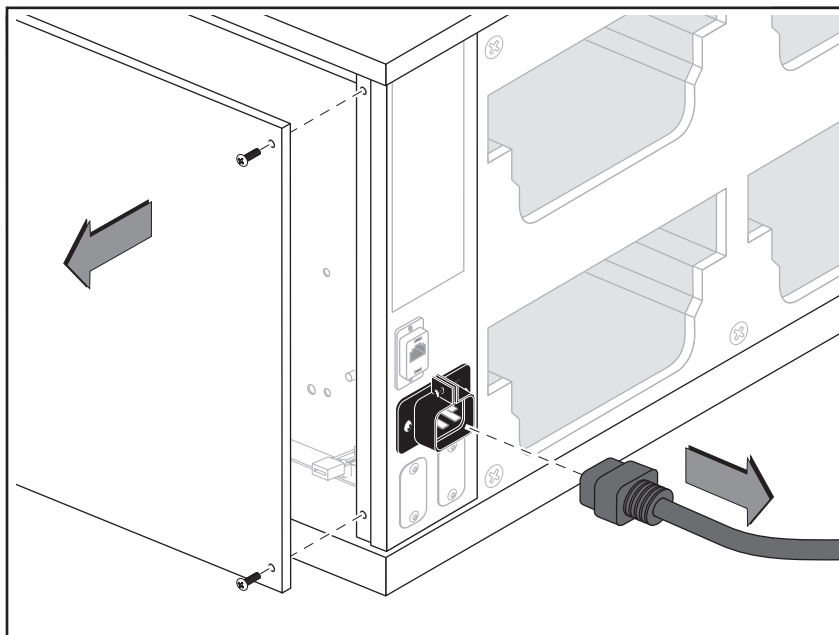
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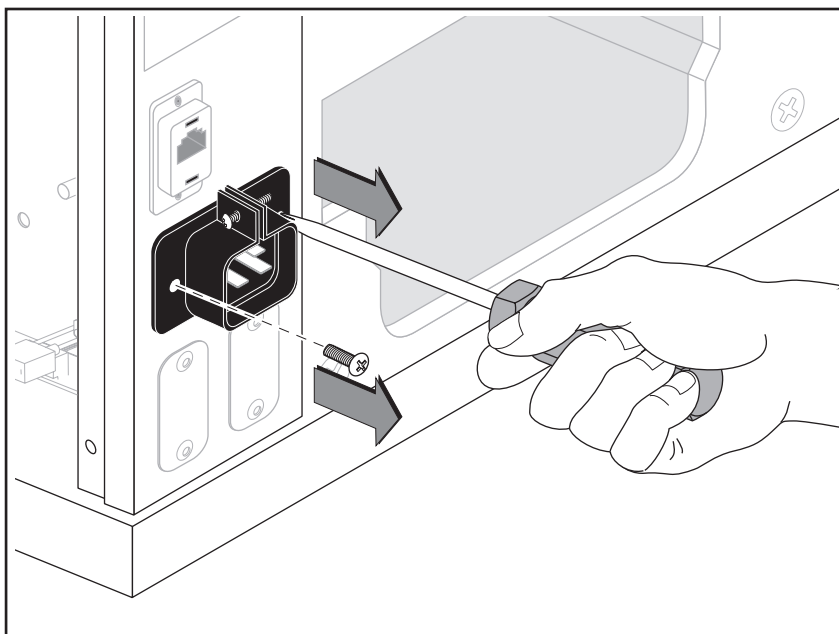
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Duke Mfg. has changed the power cords so that they are attached permanently. If your unit has a detachable cord, please follow the instructions below to remove the receptacle and use the cover plate and strain relief to secure the new power cord.

1. TURN OFF UNIT AND DISCONNECT POWER CORD.
2. REMOVE SIDE ACCESS PANEL.

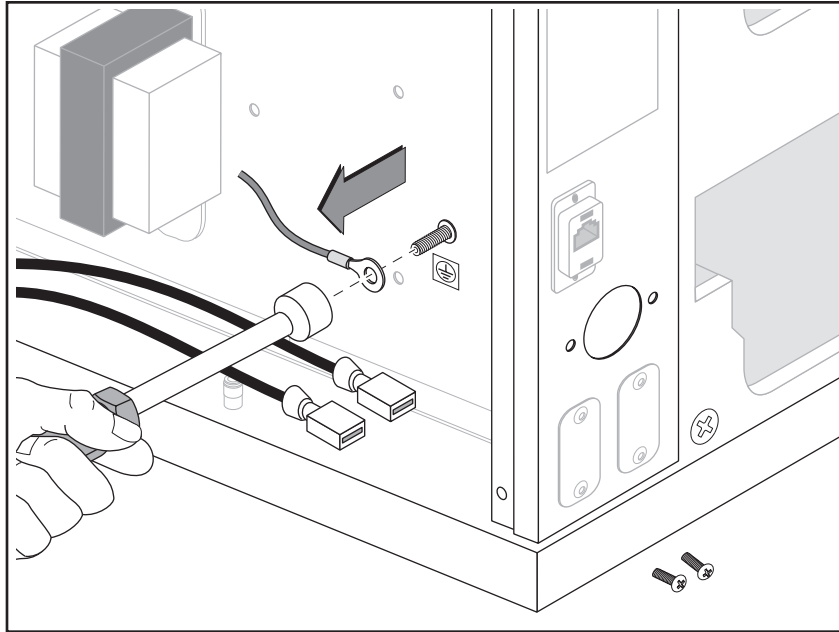


3. REMOVE EXISTING CORD AND RECEPTACLE (SAVE SCREWS).

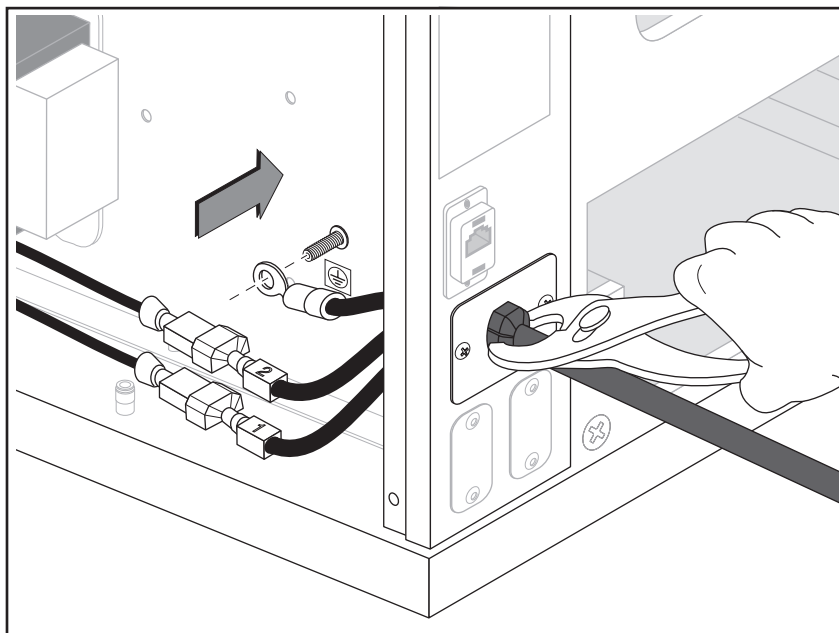




4. REMOVE EXISTING GREEN GROUND WIRE FROM PEM STUD.



5. ATTACH COVER PLATE WITH SCREWS FROM RECEPTACLE.
6. ROUTE THE NEW POWER CORD THROUGH HOLE IN COVER PLATE.
7. ATTACH RING TERMINAL OF NEW CORD TO STUD.
8. CONNECT WIRES WITH MALE QUICK CONNECT TERMINALS ON NEW CORD INTO THE WIRES WITH FEMALE TERMINALS THAT WERE CONNECTED TO THE RECEPTACLE.
9. SECURE NEW CORD TO PLATE WITH STRAIN RELIEF.
10. COMPRESS THE STRAIN RELIEF WITH PLIERS TO INSERT IN HOLE.



11. REPLACE ACCESS COVER, PLUG IN UNIT AND VERIFY UNIT IS WORKING.



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# FWM SWITCH COVER INSTALLATION INSTRUCTIONS

## (Kits #600403, #600404, & #600421)

166202C • September, 2015

### TOOLS REQUIRED FOR THIS INSTALLATION

- ✓ Phillips Screwdriver    ✓ Flathead Screwdriver    ✓ Needle-nose pliers

**CARLING SWITCH  
(600403)**

|   |               |                |
|---|---------------|----------------|
| 1 | <b>169629</b> | Carling Switch |
| 2 | <b>166201</b> | Switch Guard   |
| 3 | <b>166199</b> | Switch Cover   |

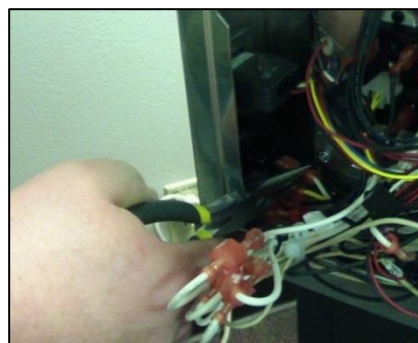
**LIGHTED ROCKER SWITCH  
(600404)**

|   |               |                |
|---|---------------|----------------|
| 1 | <b>157886</b> | Non-Lit Switch |
| 2 | <b>166198</b> | Switch Guard   |
| 3 | <b>166200</b> | Switch Cover   |

**LIGHTED ROCKER SWITCH  
(600421)**

|   |               |                |
|---|---------------|----------------|
| 1 | <b>160406</b> | Lighted Switch |
| 2 | <b>166198</b> | Switch Guard   |
| 3 | <b>166200</b> | Switch Cover   |

- Place the unit's ON/OFF Switch in the "OFF" position and follow the proper lockout/tagout procedures.
- Remove and retain the screws securing the Control Side Panel to the warmer. Remove and retain the Panel.
- From inside the Control Compartment, mark and disconnect all wires connected to the Power Switch ①.



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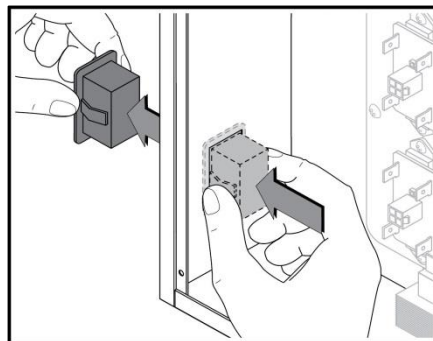
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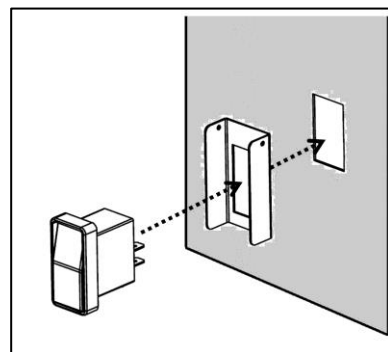
## SWITCH COVER INSTALLATION INSTRUCTIONS

4. The Power Switch is secured to the unit with spring clips. Depress the spring clips and slide the switch from the unit.



### INSTALL:

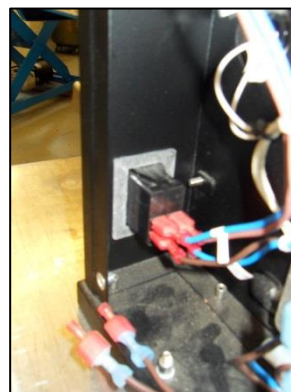
5. Slide the switch ① into the Switch Guard ② and push into the slot unit from the front. The spring clips on the switch should click out and secure the switch into its slot.



6. Attach the Switch Cover ③ to the Switch Guard ② by sliding over it until the two (2) dimples on the Cover click into the recesses on the Guard. The Cover should now freely flip up and down over the existing Switch.



7. Reattach the Power Switch wires.



8. Replace the Control Side Panel and secure with its screws.
9. Restore power to the unit and test for proper function.



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# ***Installation Instructions***

## ***Rear Timer Bar FWM Kit 156266***



|                 |                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------|
| <b>CAUTION:</b> | Please read this manual completely before attempting to install, operate or service this equipment |
|-----------------|----------------------------------------------------------------------------------------------------|

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**P/N 789856  
REV A 08/27/2018**

## IMPORTANT SAFETY INSTRUCTIONS

Throughout these instructions, you will find the following safety words and symbols that signify important safety issues with regards to operating or maintaining the equipment.



Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



Indicates Important Information



Indicates electrical shock hazard which, if not avoided, could result in death or serious injury and/or equipment damage.



Indicates hot surface which, if not avoided, could result in minor or moderate injury.

## INSTALLATION

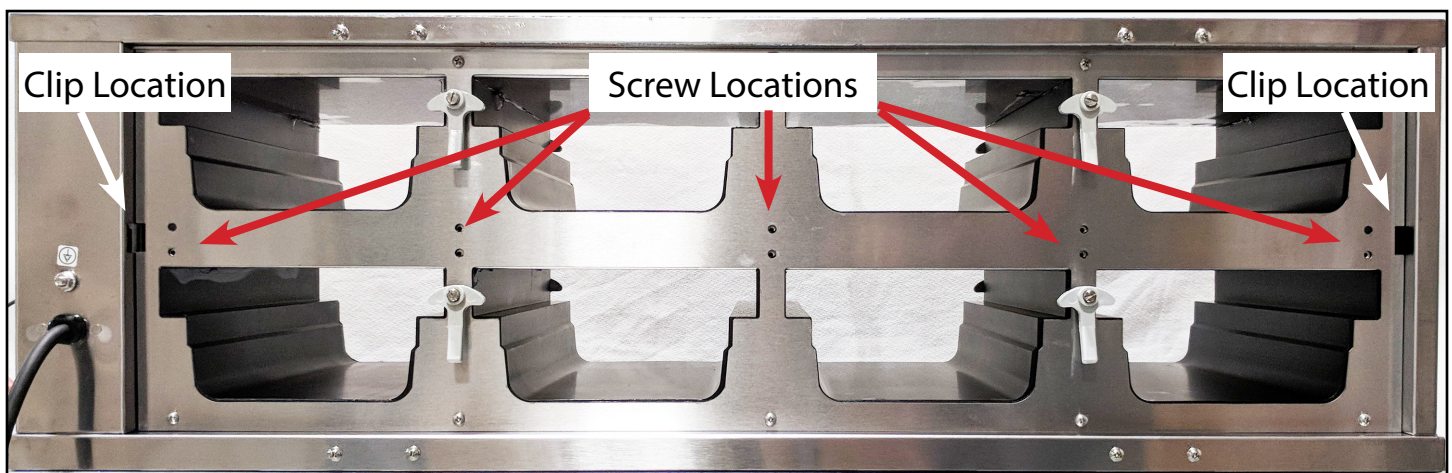


### Step 1

Unplug unit and allow to cool if hot.

### Step 2

Remove ten (10) screws and two (2) clips from rear of unit. Rear panel will stay in place.



Unit shown after screws and clips removed.



## INSTALLATION - continued

### Step 3

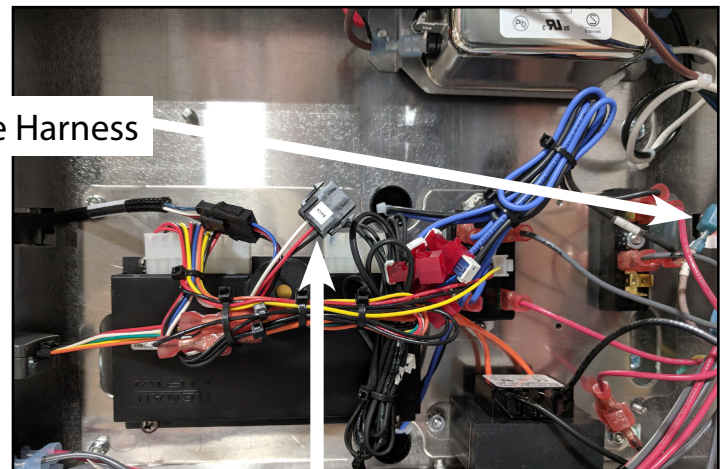
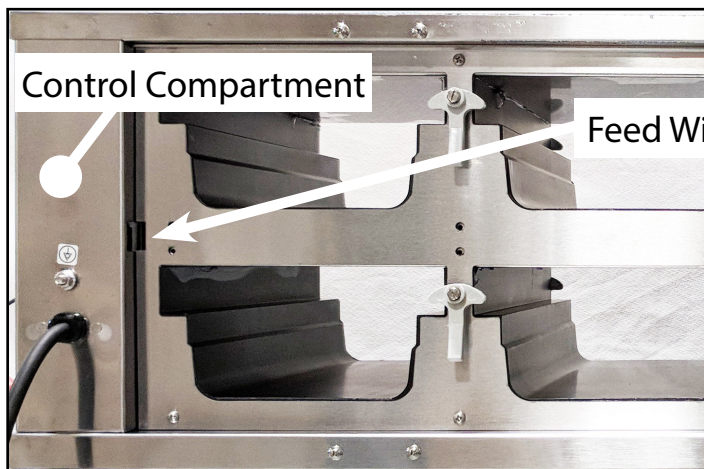
Remove four (4) screws from end panel on control end of the unit.

**CAUTION** ⚡



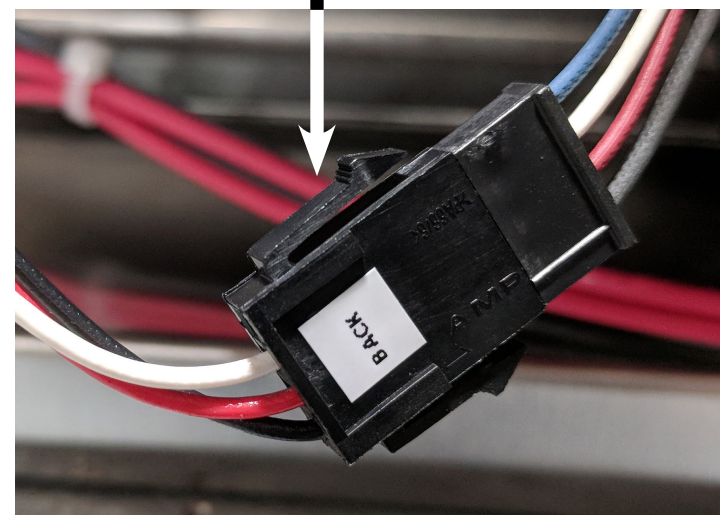
### Step 4

From the rear side of the unit feed the timer bar wire harness through the left opening into the control compartment.



### Step 5

Connect timer bar to connection labeled "BACK"



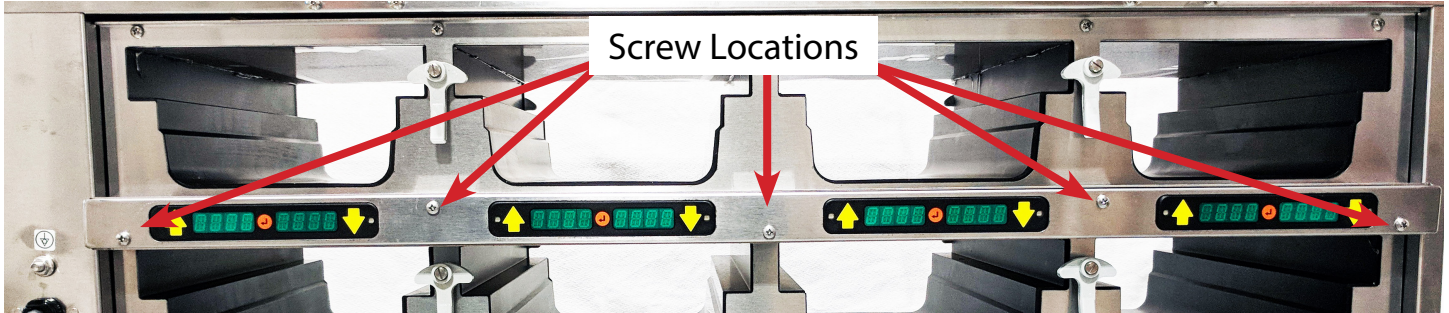


## INSTALLATION - continued

### Step 6

Secure timer bar to back of unit using five (5) screws installed with assembly.

**CAUTION** Make sure wires are not pinched.



### Step 7

Secure control panel.

**CAUTION** Make sure wires are not pinched.



### Step 8

Plug in unit and turn on. Verify new timer bar is working. After initial startup unit will start to display temperature.



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## Instructions for Web Based Programming of Duke FWM and HSHU (Heat Sink) Holding Units



1. Determine the type of unit requiring programming.
2. From the WEB, navigate to [www.dukemfg.info/](http://www.dukemfg.info/) "**your site**" (contact Duke if you do not have the site name). Log onto the website using the following user names and passwords:  
User Name: manager  
Password: password
3. Select your model from the "Type" drop-down box identified by the model number on the serial plate (note: typically, most units are Shelf Control or "FWM-S").
4. Select the number of rows pertinent to your model.
5. Select the number of columns pertinent to your model.
6. The screen will now display the slots pertaining to the model you specified (note: the unit is being viewed from the "Power Switch" side). Click on the circle beside the Day Part you would like to configure. Select "Day Part All" if you will not have different products throughout the day.
7. Select Cabinet Temperature Unit: °F or °C.
8. Beginning with the upper left hand slot, click on the word "None" to initiate the drop down menu. Scroll down to find the product that you want programmed into that slot. Click on the product when you reach it.
9. Continue programming across from left to right until you complete the row.
10. Move down to the next row and continue selecting products from the drop down menus until the unit is completely programmed to your satisfaction. You may go back and make any changes.
11. Repeat steps 5-8 for each daypart.
12. Once you are completely satisfied with the way the unit is programmed, insert the Duke USB flash drive that came with the unit into a USB port on your computer. Your computer should recognize the flash drive. Note the letter associated with the flash drive.
13. Click on "Download Menu."
14. The dialog box will open asking if you want to "Open" or "Save" the file.
15. Click on "Save". DO NOT REVISE THE FILE NAME.
16. Go to "My Computer" and find the letter associated with the Duke PHU flash drive.
17. Double click on the letter and when the dialog box opens, click on "Save".
18. A dialog box should open saying that the file already exists on the flash drive and asking if you want to replace it. Click "Yes".
19. Remove the flash drive from your computer.
20. Turn on the power to the unit.
21. Insert the Duke USB flash drive into the USB port on the unit. The data will automatically be read from the flash drive into the memory of the unit. When programming is complete, the unit will chirp and begin heating. Remove the USB drive.
22. Programming is now complete.



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157936B

# Anweisungen für die webbasierte Programmierung von Duke FWM und HSHU Warmhalteschränken (mit „Wärmesenke“)

1. Ermitteln Sie den Gerätetyp, der programmiert werden muss.
2. Rufen Sie die Website [www.dukemfg.info/](http://www.dukemfg.info/) „Ihre Website“ auf (wenden Sie sich an Duke, wenn Sie den Namen der Website nicht kennen). Melden Sie sich mit dem nachfolgenden Benutzernamen und Passwort an:  
Benutzername: **manager**  
Passwort: **password**
3. Wählen Sie Ihr Modell aus der Dropdown-Liste „Type“ aus. (Hinweis: Die meisten Geräte verfügen gewöhnlich über Wannensteuerung [Shelf Control] oder FWM-S.)
4. Wählen Sie die Anzahl der Zeilen entsprechend Ihres Modells aus.
5. Wählen Sie die Anzahl der Spalten entsprechend Ihres Modells aus.
6. Auf dem Bildschirm erscheinen nun die Positionen für das von Ihnen angegebene Modell. (Hinweis: Das Gerät wird mit Blick von der Netzschalterseite aus angezeigt.) Klicken Sie auf dem Kreis neben der Tageszeit [Day Part], die Sie konfigurieren möchten. Wählen Sie „Day Part All“ (Alle Tageszeiten), wenn sich Ihre Produkte im Laufe des Tages nicht ändern.
7. Wählen Sie die Einheit der Schranktemperatur aus: °F oder °C.
8. Beginnen Sie mit der linken oberen Position und klicken Sie auf das Wort „None“, um das Dropdown-Menü aufzurufen. Suchen Sie das Produkt, das Sie an dieser Position programmieren möchten, in der Liste. Klicken Sie auf das gewünschte Produkt.
9. Setzen Sie die Programmierung von links nach rechts fort, bis die Zeile komplett ausgefüllt ist.
10. Fahren Sie mit der nächsten Zeile fort und wählen Sie weitere Produkte aus den Dropdown-Menüs aus, bis das Gerät wie gewünscht programmiert ist. Sie können zurückgehen, um Änderungen vorzunehmen.
11. Wiederholen Sie die Schritte 5-8 für jeden Tagesabschnitt.
12. Nachdem das Gerät zufriedenstellend programmiert wurde, stecken Sie den mit dem Gerät mitgelieferten Duke USB-Stick in den USB-Anschluss Ihres Computers. Der USB-Stick sollte vom Computer automatisch erkannt werden. Achten Sie auf den Laufwerksbuchstaben des Sticks.
13. Klicken Sie auf „Download Menu“ (Download-Menü).
14. Auf dem geöffneten Dialogfenster erscheint die Frage, ob die Datei geöffnet oder gespeichert werden soll.
15. Klicken Sie auf „Save“ (Speichern). DER DATEINAME DARF NICHT GEÄNDERT WERDEN.
16. Gehen Sie zu „Mein Computer“ und suchen Sie den Laufwerksbuchstaben des Duke PHU-Sticks.
17. Doppelklicken Sie auf den Buchstaben und klicken Sie auf dem geöffneten Dialogfenster auf „Save“.
18. Es sollte ein Dialogfenster geöffnet werden, das angibt, dass die Datei bereits auf dem Stick vorhanden ist, und fragt, ob die Datei ersetzt werden soll. Klicken Sie auf „Yes“ (Ja).
19. Entfernen Sie den Stick aus dem Computer.
20. Schalten Sie das Gerät ein.
21. Stecken Sie den Duke USB-Stick in den USB-Anschluss des Geräts. Die Daten werden automatisch vom USB-Stick in den Speicher des Geräts eingelesen. Nach Abschluss der Programmierung gibt das Gerät einen Zirpton ab und beginnt mit dem Aufwärmen. Entfernen Sie den USB-Stick.
22. Die Programmierung ist damit abgeschlossen.



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P/N 160567C

# Instrucciones para la programación basada en la web de unidades de retención FWM y HSHU (disipación térmica) de Duke

1. Determine el tipo de unidad que requiera una programación.
2. En la WEB, navegue a [www.dukemfg.info/](http://www.dukemfg.info/) "your site" (póngase en contacto con Duke sino tiene el nombre del sitio). Conéctese en el sitio web usando los nombres de usuario y las contraseñas siguientes:  
Nombre del usuario: **gerente**  
Contraseña: **contraseña**
3. Seleccione el modelo en la casilla desplegable "Type"(tipo) (nota: normalmente, la mayoría de las unidades son con control de estantes o "FWM-S").
4. Seleccione el número de filas que corresponda a su modelo.
5. Seleccione el número de columnas que corresponda a su modelo.
6. La pantalla mostrará ahora las ranuras pertenecientes al modelo especificado (nota: la unidad se ve desde el lado del "interruptor de encendido"). Haga clic en el círculo junto a la Day Part (Parte del día) que le gustaría configurar. Seleccione "Day Part All" (Todas las partes del día) si no va a tener productos diferentes durante el día.
7. Seleccione la unidad de temperatura del gabinete: °F o °C.
8. Empezando por la ranura superior izquierda, haga clic en la palabra "None" (Ninguna) para iniciar el menú desplegable. Desplácese hacia abajo hasta encontrar el producto que desee programar en esa ranura. Haga clic en el producto al encontrarlo.
9. Siga programando horizontalmente de izquierda a derecha hasta completar la fila.
10. Desplácese hacia abajo hasta la próxima fila y siga seleccionando productos de los menús desplegables hasta que la unidad esté completamente programada a su satisfacción. Podrá volver y realizar cualquier cambio.
11. Repita los pasos 5-8 para cada franja horaria.
12. Una vez que se esté completamente satisfecho con la manera en que está programada la unidad, introduzca la unidad flash USB de Duke incluida con la unidad en el puerto USB de su computadora. La computadora debe reconocer la unidad flash. Tome nota de la letra asociada con la unidad flash.
13. Haga clic en "Download Menu". (Descargar menú)
14. La casilla de diálogo se abrirá, preguntando si desea "Open" (Abrir) o "Save" (Guardar) el archivo.
15. Haga clic en "Save". NO CAMBIE EL NOMBRE DEL ARCHIVO.
16. Vaya a "My Computer" (Mi PC) y busque la letra asociada con la unidad flash PHU de Duke.
17. Haga clic dos veces en la letra y cuando se abra la casilla de diálogo y haga clic en "Save".
18. Debe abrirse un cuadro de diálogo indicando que ya existe el archivo en la unidad flash pidiéndole si desea reemplazarlo. Haga clic en "Yes" (Sí).
19. Saque la unidad flash de su computadora.
20. Conecte la corriente a la unidad.
21. Introduzca la unidad flash USB de Duke en el puerto de USB de la unidad. Los datos se leerán automáticamente de la unidad flash pasando a la memoria de la unidad. Cuando la programación esté completa, la unidad emitirá un pitido y empezará a calentar. Quite la unidad USB.
22. La programación estará ahora completa.



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# Instructions de programmation en ligne des casiers de stockage Duke FWM et HSHU (à dissipation thermique)

1. Déterminer le type d'appareil nécessitant une programmation.
2. Sur le WEB, naviguer jusqu'à [www.dukemfg.info/your site](http://www.dukemfg.info/your site) (contacter Duke si on ne connaît pas le nom du site). Se connecter au site Web en utilisant les nom d'utilisateur et mot de passe suivants :  
Nom d'utilisateur : **manager**  
Mot de passe : **password**
3. Sélectionner le modèle dans la boîte déroulante « Type » (remarque : la plupart des appareils sont Shelf Control ou « FWM-S »).
4. Sélectionner le nombre de rangées applicable au modèle concerné.
5. Sélectionner le nombre de colonnes applicable au modèle concerné.
6. L'écran affiche alors les positions correspondant au modèle spécifié (remarque : l'appareil est vu depuis le côté interrupteur. Cliquer sur le cercle à côté de la tranche horaire (Day Part) que l'on souhaite configurer. Sélectionner « Day Part All » (toutes tranches horaires) si les produits resteront les mêmes pendant toute la journée.
7. Sélectionner l'unité de température (Cabinet Temperature Unit) : °F ou °C.
8. En commençant par la position supérieure gauche, cliquer sur le mot « None » (néant) pour afficher le menu déroulant. Faire défiler le menu pour localiser le produit que l'on veut programmer dans cette position. Cliquer sur le produit quand on y arrive.
9. Continuer à programmer de gauche à droite jusqu'à ce que la rangée soit remplie.
10. Descendre jusqu'à la rangée suivante et continuer à sélectionner des produits sur les menus déroulants jusqu'à ce qu'on soit satisfait de la programmation de l'appareil. Il est possible de revenir en arrière pour apporter toute modification.
11. Répéter les étapes 5-8 pour chaque tranche horaire.
12. Une fois totalement satisfait de la programmation de l'appareil, introduire la clé USB à mémoire flash fournie avec l'appareil dans un port USB de l'ordinateur. L'ordinateur devrait identifier la clé à mémoire flash. Noter la lettre associée à la clé à mémoire flash.
13. Cliquer sur « Download Menu » (télécharger menu).
14. La boîte de dialogue qui s'ouvre demande si on veut ouvrir (« Open ») ou enregistrer (« Save ») le fichier.
15. Cliquer sur « Save ». NE PAS MODIFIER LE NOM DE FICHIER.
16. Aller à « Poste de travail » et localiser la lettre associée à la clé à mémoire flash Duke PHU.
17. Double-cliquer sur la lettre et, lorsque la boîte de dialogue s'ouvre, cliquer sur « Save ».
18. Une boîte de dialogue devrait s'ouvrir, indiquant que le fichier existe déjà sur la clé à mémoire flash et demandant si on désire le remplacer. Cliquer sur « Yes » (oui).
19. Retirer la clé à mémoire flash de l'ordinateur.
20. Mettre l'appareil sous tension.
21. Introduire la clé USB à mémoire flash Duke dans le port USB de l'appareil. Les données sont automatiquement copiées de la clé à mémoire flash dans la mémoire de l'appareil. Une fois la programmation terminée, l'appareil émet une stridulation et commence à chauffer. Retirer la clé USB.
22. La programmation est alors terminée.



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## Instructions for Web Based Programming of Duke FWM3 (Heat Sink) and HSHU Holding Units For Yum! Brands



1. Determine the store type of your store and the model numbers of the equipment that you need to program.
2. Determine the appropriate website from the list below and log onto the website using the user name “yum” and the password “password”.

| Store | Cabinets Enabled |         |         |         |         | Link                                                             |
|-------|------------------|---------|---------|---------|---------|------------------------------------------------------------------|
| KFC   | FWM34-43         | HSU-22  | HSU-23  |         |         | <a href="http://www.dukemfg.info/KFC/">www.dukemfg.info/KFC/</a> |
| KA    | FWM34-43         | HSU-22  | HSU-23  |         |         | <a href="http://www.dukemfg.info/KA/">www.dukemfg.info/KA/</a>   |
| KT    | FWM34-43         | HSU-22  | HSU-23  |         |         | <a href="http://www.dukemfg.info/KT/">www.dukemfg.info/KT/</a>   |
| KL    | FWM34-43         | HSU-22  | HSU-23  |         |         | <a href="http://www.dukemfg.info/KL/">www.dukemfg.info/KL/</a>   |
| LJS   | FWM3-51          | FWM3-22 |         |         |         | <a href="http://www.dukemfg.info/LJS/">www.dukemfg.info/LJS/</a> |
| A&W   | FWM3-13          | FWM3-51 | FWM3-22 | FWM3-23 | FWM3-24 | <a href="http://www.dukemfg.info/AW/">www.dukemfg.info/AW/</a>   |
| LA    | FWM3-13          | FWM3-51 |         |         |         | <a href="http://www.dukemfg.info/LA/">www.dukemfg.info/LA/</a>   |

3. Click on the icon that represents your holding unit.
4. Click on the circle beside “Day Part All”.
5. The unit is being viewed from the “Power Switch” side.
6. Beginning with the upper left hand slot, click on the word “None” to initiate the drop down menu. Scroll down to find the product that you want programmed into that slot. Click on the product when you reach it.
7. Continue programming across from left to right until you complete the row.
8. Move down to the next row and continuing selecting products from the drop down menus until the unit is completely programmed to your satisfaction. You may go back and make any changes.
9. Once you are completely satisfied with the way the unit is programmed, insert the Duke USB flash drive that came with the unit into a USB port on your computer. Your computer should recognize the flash drive. Note the letter associated with the flash drive.
10. Click on “Download Menu.”
11. The dialog box will open asking if you want to “Open” or “Save” the file.
12. Click on “Save.”
13. Go to “My Computer” and find the letter associated with the Duke PHU flash drive.
14. Double click on the letter and when the dialog box opens, click on “Save”.
15. A dialog box should open saying that the file already exists on the flash drive and asking if you want to replace it. Click “Yes”.
16. Remove the flash drive from your computer.
17. Turn on the power to the unit and wait for it to heat up (product names appear).
18. Insert the Duke USB flash drive into the USB port on the unit. The data will automatically be read from the flash drive into the memory of the unit. When the new product names appear, remove the flash drive from the unit.
19. Programming is now complete!



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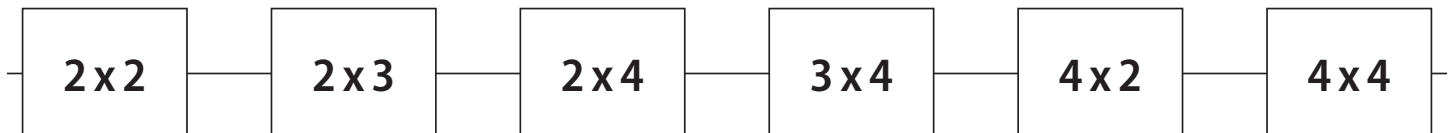
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# Instruction Sheet

## Re-Setting Timer Bar Display Assignment



**CAUTION:** Please read this manual completely before attempting to install, operate or service this equipment



**WARNING for CA residents:** go to [www.dukemfg.com/prop65](http://www.dukemfg.com/prop65) for prop 65 warning

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**PN 524988  
REV A 12/03/2020**



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**TIMER DISPLAY ASSIGNMENTS**

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| 2 X 3..... | 6  |
| 2 X 4..... | 8  |
| 3 X 4..... | 10 |
| 4 X 2..... | 12 |
| 4 X 4..... | 14 |

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## 2X2 Re-Setting Timer Bar Display Assignment

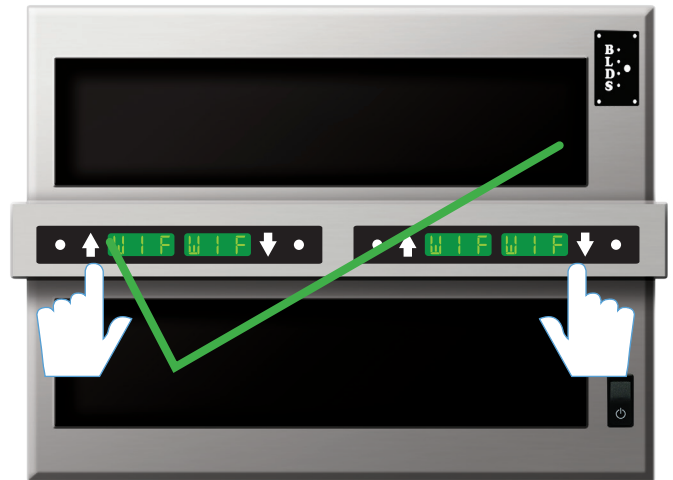
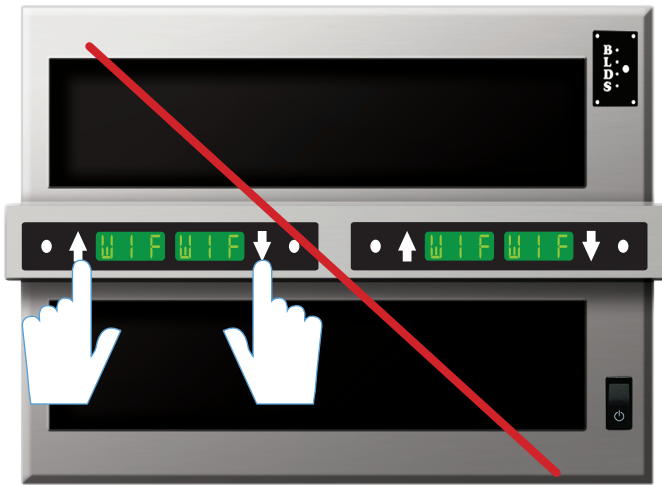
Reasons for resetting the timer bars:

- A. When replacing any timer bar.
- B. When products do not match front and rear or displays appear inverted.

- 1 Turn the power button **OFF** and then **ON**.  
Wait for the display panels to initialize. Once initialized, it should look like the below display.  
If not, move onto step 2 which will reset the assignments.



- 2 On the POWER SWITCH SIDE, press and HOLD any 2 arrows on DIFFERENT DISPLAYS for 10 seconds.  
This will reset the timer bar assignment and allow you to start over.



**NOTE:** If at any time throughout the timer bar assignment process an arrow is pressed in the wrong order, you have the ability to reset and start over. See Below

## 2X2 Timer Display Assignments

- 1** Stand in front of the unit on POWER SWITCH SIDE. Turn power switch on.



- 6** Move to the rear of the unit.



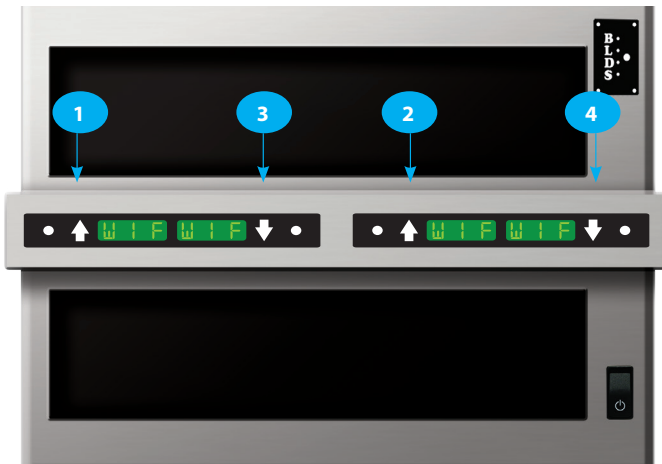
- 2** Wait for timer bar to initialize (less than 15 seconds). Once initialized, all displays will read "W1F."



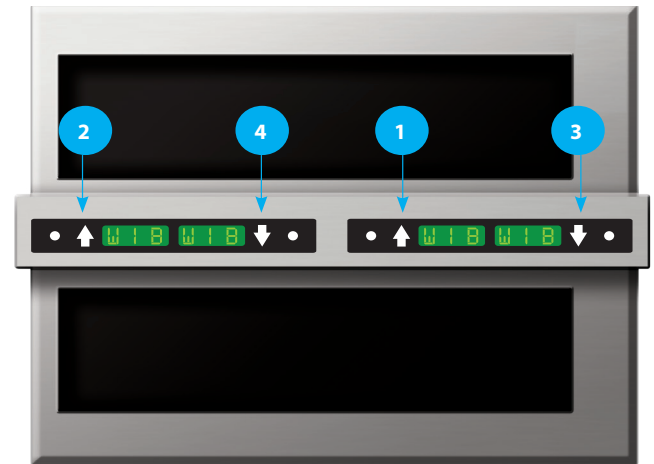
- 7** The displays on the rear side should read "W1B."



- 3** Depress the 4 timer bar arrows in the numeric order indicated below.



- 8** Depress the 4 timer bar arrows in the numeric order indicated below.



- 4** Once the 4 arrows have been depressed, the displays should look like this.



- 9** Once the 4 arrows have been depressed, the displays should look like this.



- 5** If the unit is 1-sided, it will now go into preheat mode.

If the unit is 2-sided, continue on to step 6.

- 10** The unit will now go into preheat mode.

## 2X3 Re-Setting Timer Bar Display Assignment

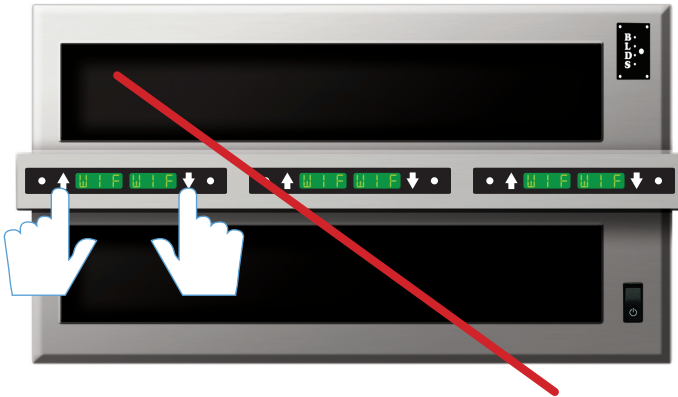
Reasons for resetting the timer bars:

- A. When replacing any timer bar.
- B. When products do not match front and rear or displays appear inverted.

- 1** Turn the power button **OFF** and then **ON**.  
Wait for the display panels to initialize. Once initialized, it should look like the below display.  
If not, move onto step 2 which will reset the assignments.



- 2** On the POWER SWITCH SIDE, press and HOLD any 2 arrows on DIFFERENT DISPLAYS for 10 seconds.  
This will reset the timer bar assignment and allow you to start over.



**NOTE:** If at any time throughout the timer bar assignment process an arrow is pressed in the wrong order, you have the ability to reset and start over. See Below

## 2X3 Timer Display Assignments

- 1** Stand in front of the unit on POWER SWITCH SIDE. Turn power switch on.



- 6** Move to the rear of the unit.



- 2** Wait for timer bar to initialize (less than 15 seconds). Once initialized, all displays will read "W1F."



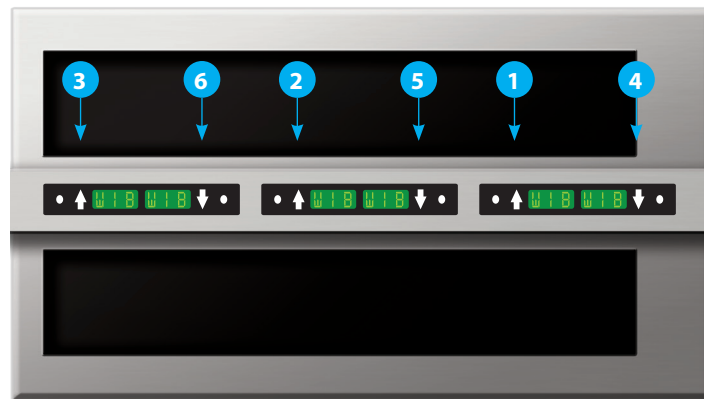
- 7** The displays on the rear side should read "W1B."



- 3** Depress the 6 timer bar arrows in the numeric order indicated below.



- 8** Depress the 6 timer bar arrows in the numeric order indicated below.



- 4** Once the 6 arrows have been depressed, the displays should look like this.



- 9** Once the 6 arrows have been depressed, the displays should look like this.



- 5** If the unit is 1-sided, it will now go into preheat mode.

If the unit is 2-sided, continue on to step 6.

- 10** The unit will now go into preheat mode.

## 2X4 Re-Setting Timer Bar Display Assignment

Reasons for resetting the timer bars:

- A. When replacing any timer bar.
- B. When products do not match front and rear or displays appear inverted.

- 1** Turn the power button **OFF** and then **ON**.  
Wait for the display panels to initialize. Once initialized, it should look like the below display.  
If not, move onto step 2 which will reset the assignments.



- 2** On the POWER SWITCH SIDE, press and HOLD any 2 arrows on DIFFERENT DISPLAYS for 10 seconds.  
This will reset the timer bar assignment and allow you to start over.



**NOTE:** If at any time throughout the timer bar assignment process an arrow is pressed in the wrong order, you have the ability to reset and start over. See Below



## 2X4 Timer Display Assignments

- 1** Stand in front of the unit on POWER SWITCH SIDE. Turn power switch on.



- 6** Move to the rear of the unit.



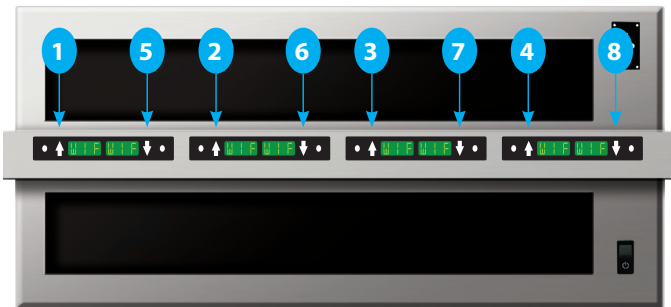
- 2** Wait for timer bar to initialize (less than 15 seconds). Once initialized, all displays will read "W1F."



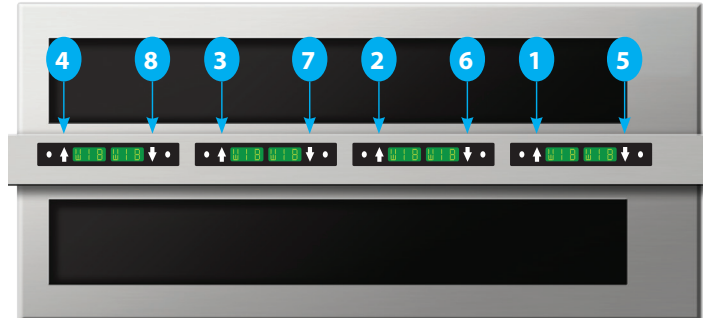
- 7** The displays on the rear side should read "W1B."



- 3** Depress the 8 timer bar arrows in the numeric order indicated below.



- 8** Depress the 8 timer bar arrows in the numeric order indicated below.



- 4** Once the 8 arrows have been depressed, the displays should look like this.



- 9** Once the 8 arrows have been depressed, the displays should look like this.



- 5** If the unit is 1-sided, it will now go into preheat mode.

If the unit is 2-sided, continue on to step 6.

- 10** The unit will now go into preheat mode.

## 3X4 Re-Setting Timer Bar Display Assignment

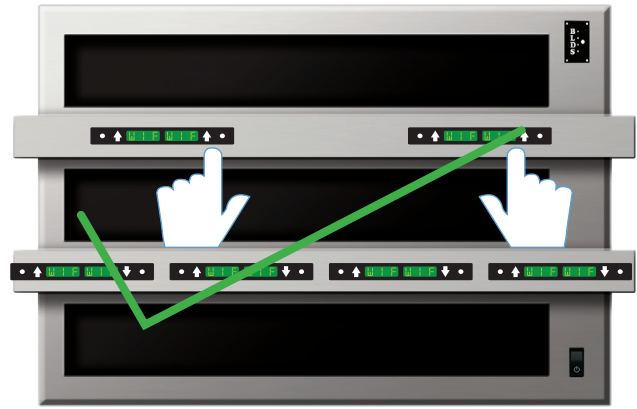
Reasons for resetting the timer bars:

- A. When replacing any timer bar.
- B. When products do not match front and rear or displays appear inverted.

- 1** Turn the power button **OFF** and then **ON**.  
Wait for the display panels to initialize. Once initialized, it should look like the below display.  
If not, move onto step 2 which will reset the assignments.



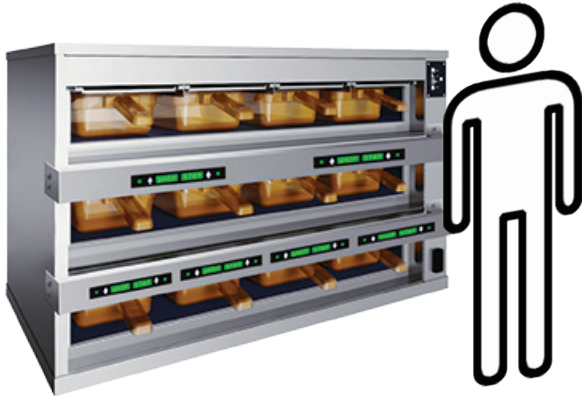
- 2** On the POWER SWITCH SIDE, press and HOLD any 2 arrows on DIFFERENT DISPLAYS for 10 seconds.  
This will reset the timer bar assignment and allow you to start over.



**NOTE:** If at any time throughout the timer bar assignment process an arrow is pressed in the wrong order, you have the ability to reset and start over. See Below

# 3X4 Timer Display Assignments

- Stand in front of the unit on POWER SWITCH SIDE. Turn power switch on.



- Move to the rear of the unit.



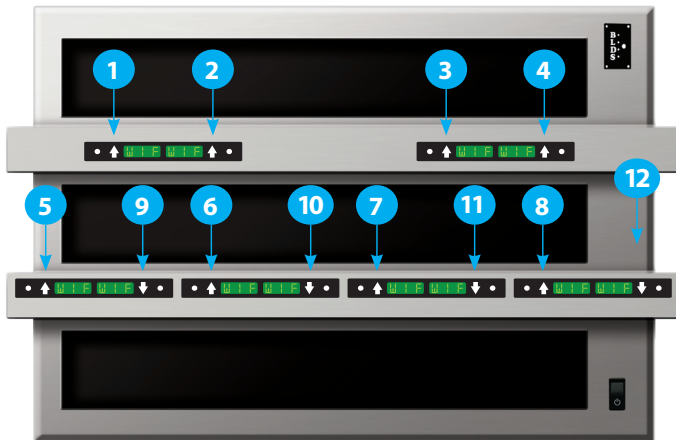
- Wait for timer bar to initialize (less than 15 seconds). Once initialized, all displays will read "W1F."



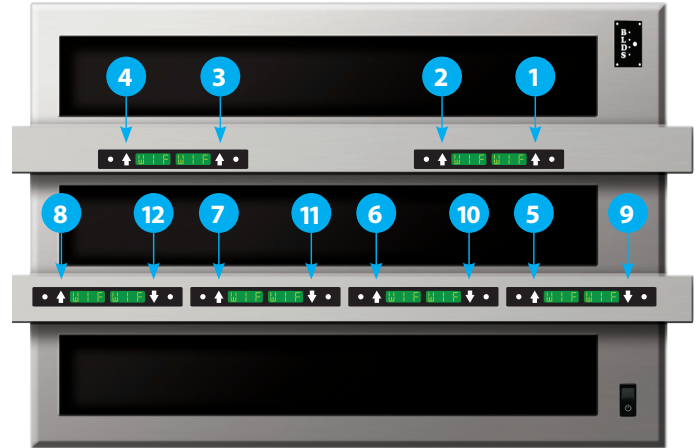
- The displays on the rear side should read "W1B."



- Depress the 12 timer bar arrows in the numeric order indicated below.



- Depress the 12 timer bar arrows in the numeric order indicated below.



- Once the 12 arrows have been depressed, the displays should look like this.



- Once the 12 arrows have been depressed, the displays should look like this.



- If the unit is 1-sided, it will now go into preheat mode.

If the unit is 2-sided, continue on to step 6.

- The unit will now go into preheat mode.

## 4X2 Re-Setting Timer Bar Display Assignment

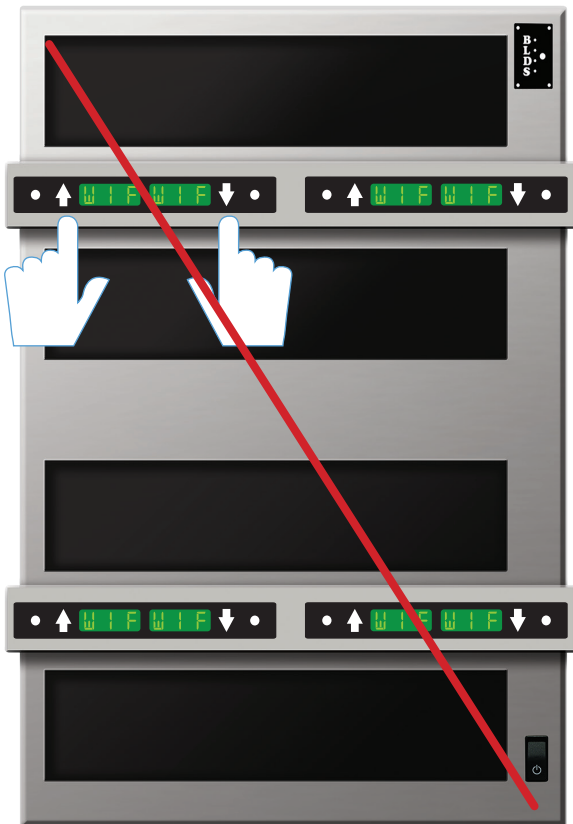
Reasons for resetting the timer bars:

- A. When replacing any timer bar.
- B. When products do not match front and rear or displays appear inverted.

- 1** Turn the power button **OFF** and then **ON**.  
Wait for the display panels to initialize. Once initialized, it should look like the below display.  
If not, move onto step 2 which will reset the assignments.



- 2** On the POWER SWITCH SIDE, press and HOLD any 2 arrows on DIFFERENT DISPLAYS for 10 seconds.  
This will reset the timer bar assignment and allow you to start over.



**NOTE:** If at any time throughout the timer bar assignment process an arrow is pressed in the wrong order, you have the ability to reset and start over. See Below

# 4X2 Timer Display Assignments

- 1 Stand in front of the unit on POWER SWITCH SIDE. Turn power switch on.



- 6 Move to the rear of the unit.



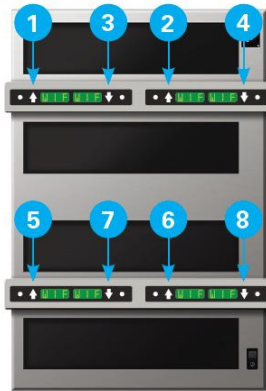
- 2 Wait for timer bar to initialize (less than 15 seconds). Once initialized, all displays will read "W1F."



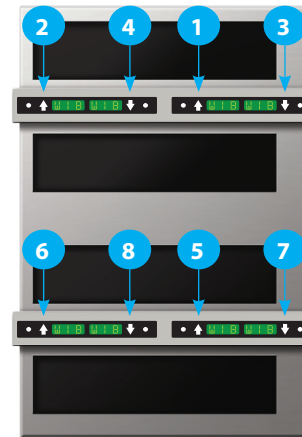
- 7 The displays on the rear side should read "W1B."



- 3 Depress the 8 timer bar arrows in the numeric order indicated below.



- 8 Depress the 8 timer bar arrows in the numeric order indicated below.



- 4 Once the 8 arrows have been depressed, the displays should look like this.



- 9 Once the 8 arrows have been depressed, the displays should look like this.



- 5 If the unit is 1-sided, it will now go into preheat mode.

If the unit is 2-sided, continue on to step 6.

- 10 The unit will now go into preheat mode.

## 4X4 Re-Setting Timer Bar Display Assignment

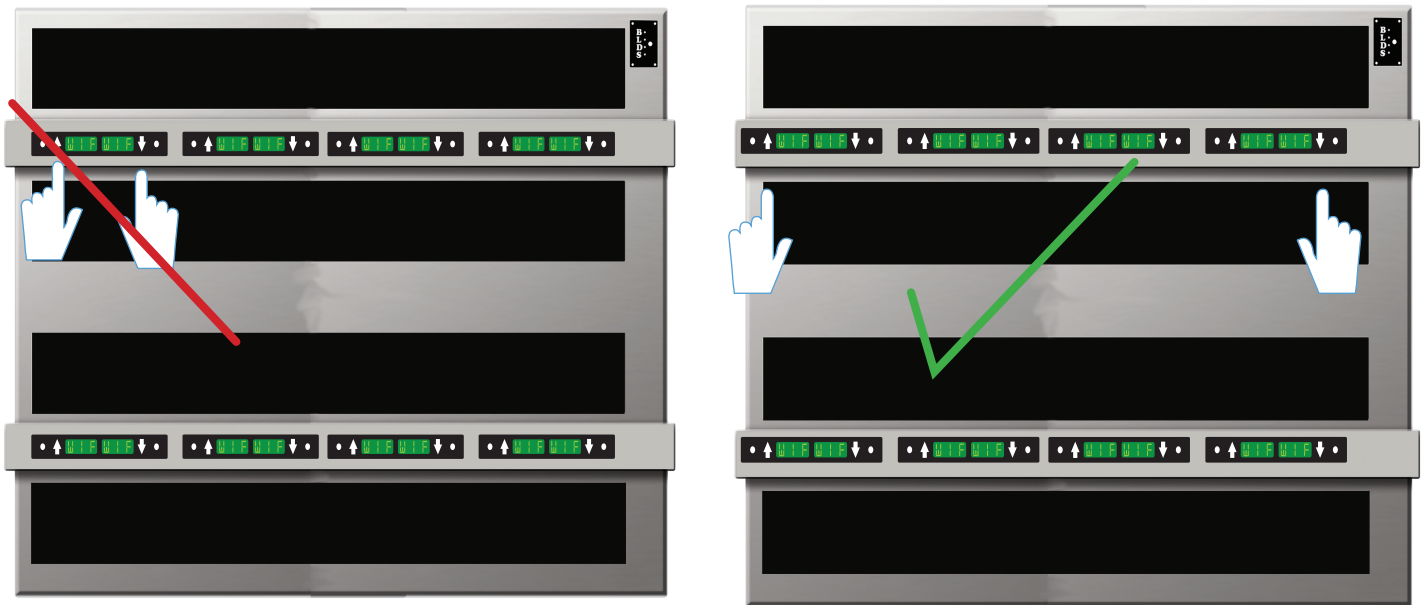
Reasons for resetting the timer bars:

- A. When replacing any timer bar.
- B. When products do not match front and rear or displays appear inverted.

- 1** Turn the power button **OFF** and then **ON**.  
Wait for the display panels to initialize. Once initialized, it should look like the below display.  
If not, move onto step 2 which will reset the assignments.



- 2** On the POWER SWITCH SIDE, press and HOLD any 2 arrows on DIFFERENT DISPLAYS for 10 seconds.  
This will reset the timer bar assignment and allow you to start over.



**NOTE:** If at any time throughout the timer bar assignment process an arrow is pressed in the wrong order, you have the ability to reset and start over. See Below



# 4X4 Timer Display Assignments

- 1 Stand in front of the unit on POWER SWITCH SIDE. Turn power switch on.



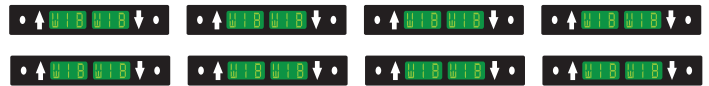
- 6 Move to the rear of the unit.



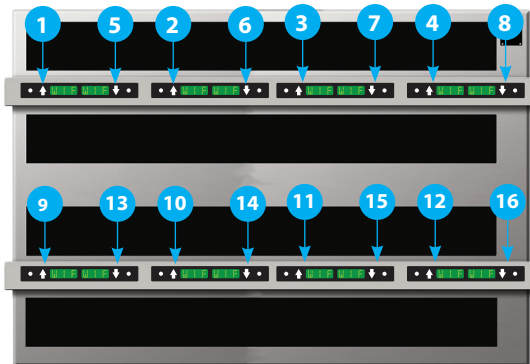
- 2 Wait for timer bar to initialize (less than 15 seconds). Once initialized, all displays will read "W1F."



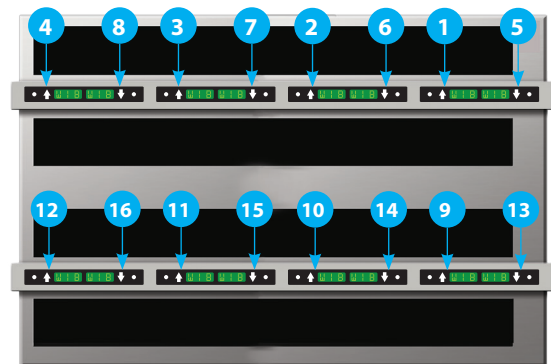
- 7 The displays on the rear side should read "W1B."



- 3 Depress the 16 timer bar arrows in the numeric order indicated below.



- 8 Depress the 16 timer bar arrows in the numeric order indicated below.



- 4 Once the 16 arrows have been depressed, the displays should look like this.



- 9 Once the 16 arrows have been depressed, the displays should look like this.



- 5 If the unit is 1-sided, it will now go into preheat mode.

If the unit is 2-sided, continue on to step 6.

- 10 The unit will now go into preheat mode.





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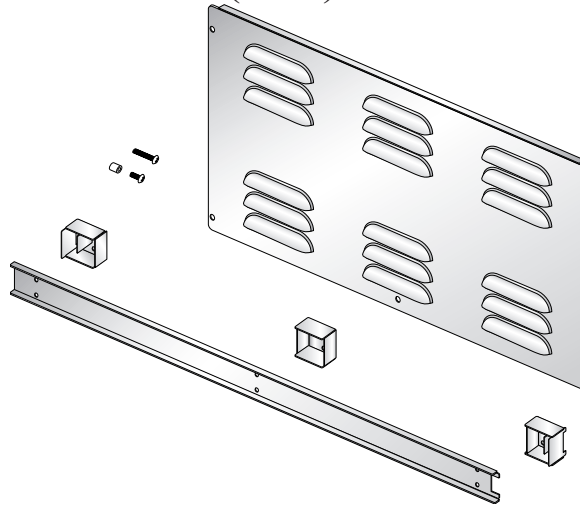
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# INSTALLATION INSTRUCTIONS

## TIMER BAR AND CONTROL SPACER KIT DUKE KIT# [158347](#) (2X2) OR 158349 (2X3)



### This kit contains:

- 158342 (2) Backing Plate (2X2 Unit)
- 158343 (2) Backing Plate (2X3 Unit)
- 158354 (1) Assy, Kit Louver Panel (2X2 Unit)
- 158355 (1) Assy, Kit Louver Panel (2X3 Unit)
- 158346 (4) End Spacers
- 158345 (2-4) Middle Spacers
- 160610 (4) Control Standoffs
- 160608 (6-8) 8 x 2 1/2" Screws
- 0430086 (4) 8 X 3/4" Screws
- 0297325 (1) Silicone Tube
- [176019](#) Alcohol Pads

### Items required for this installation:

- Cross Tip Screwdriver

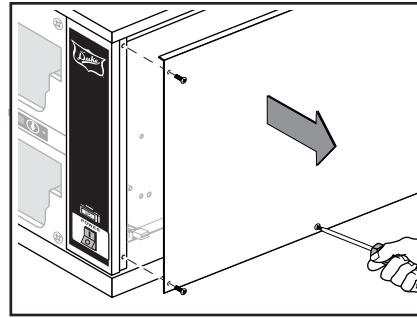
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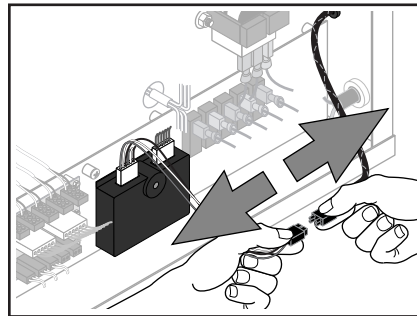
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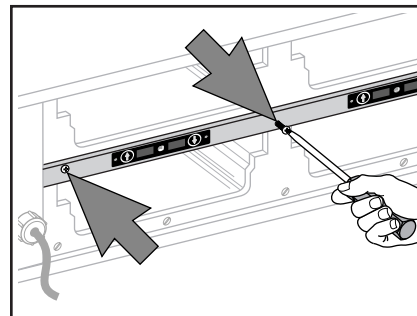
1. Disconnect unit power.
2. Remove control side panel by removing (5) screws. Discard panel, retain screws to attach new panel from kit.



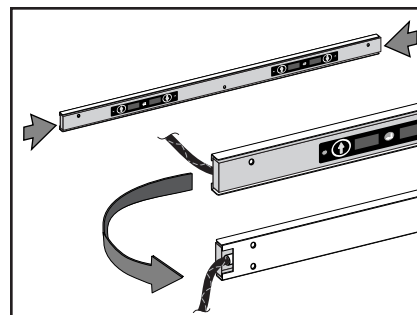
3. Disconnect Timer Bar wiring harness.



4. Remove and discard (3-4) screws which secure Timer Bar and carefully remove wire harness from unit.



5. Ensure proper orientation of Backing Plate before securing to back of Timer Bar. Ensure opening for wire harness is at the correct end.

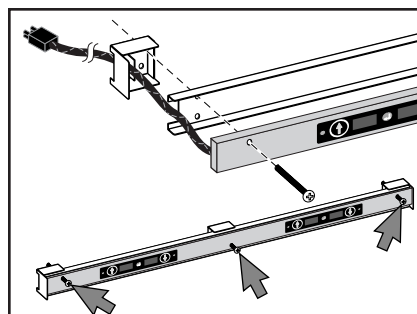


6. Place Backing Plate on back of Timer Bar and ensure the ends are flush.

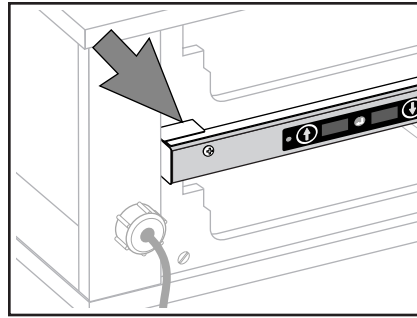
7. Place the End Spacers and Middle Spacer(s) as shown and thread in each screw. Wire harness will need to be routed through End Spacer.

HSHU 2x2 – 1 Middle Spacer  
(Shown in Picture)

HSHU 2x3 – 2 Middle Spacers

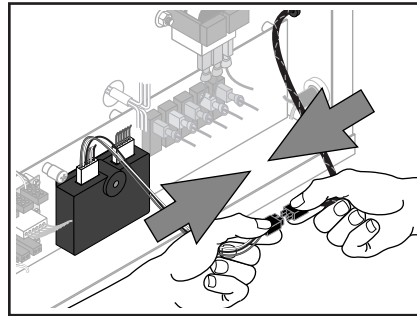


8. Route wire harness through to the control compartment and mount the Timer Bar in place, using a screwdriver and 2 1/2" long screws.
9. Add silicone caulk to any noticeable gaps.



10. Connect Timer Bar wiring harness.

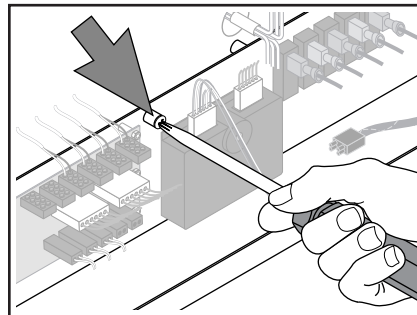
**REPEAT PROCESS FOR  
SECOND TIMER BAR**



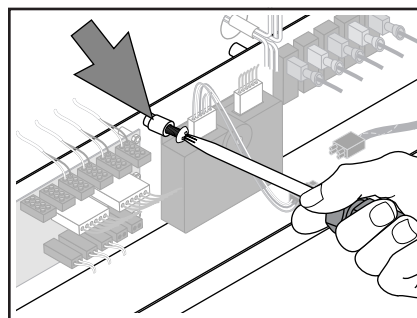
**Installation – Control Board Standoffs &  
Louvered Panel**

1. Remove and discard (4) screws which secure Control Board.

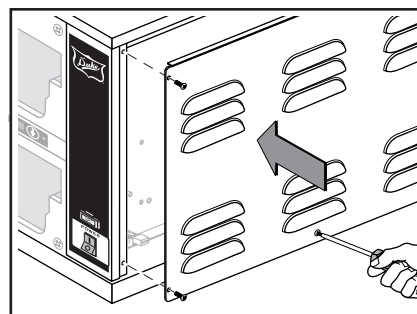
**USE CAUTION TO AVOID  
DAMAGE TO WIRING**



2. Install the lower 2 Controller Standoffs first with 3/4" long screw.
3. Place Controller on the lower standoffs, then install the 2 top spacers.
4. Tighten all 4 screws.
5. Assure 2 connectors on the control are properly seated.



6. Replace old panel with new Louvered Panel, which has wiring diagram adhered to the inside of the panel.
7. Reconnect unit to power and verify proper function.





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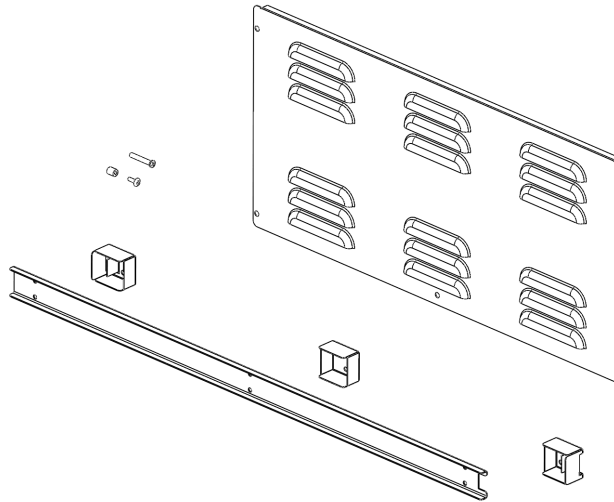
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Shanghai 200335 China  
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# INSTALLATION INSTRUCTIONS

## TIMER BAR AND CONTROL SPACER KIT DUKE KIT# 158347 (2X2) OR 158349 (2X3)



### This kit contains:

- 158342 (2) Backing Plate (2X2 Unit)
- 158343 (2) Backing Plate (2X3 Unit)
- 158354 (1) Assy, Kit Louver Panel (2X2 Unit)
- 158355 (1) Assy, Kit Louver Panel (2X3 Unit)
- 158346 (4) End Spacers
- 158345 (2-4) Middle Spacers
- 160610 (4) Control Standoffs
- 160608 (6-8) 8 x 2 1/2" Screws
- 0430086 (4) 8 X 3/4" Screws
- 0297325 (1) Silicone Tube
- 176019 Alcohol Pads

### Items required for this installation:

- Cross Tip Screwdriver

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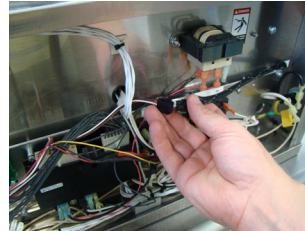
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Timer Bar And Control Spacer Kit  
Installation Instructions  
**Installation - Timer Bar Spacers**

- 1) Disconnect unit power.
- 2) Remove control side panel by removing (5) screws. Discard panel, retain screws to attach new panel from kit.



- 3) Disconnect Timer Bar wiring harness.



- 4) Remove and discard (3-4) screws which secure Timer Bar and carefully remove wire harness from unit.



- 5) Ensure proper orientation of Backing Plate before securing to back of Timer Bar. Ensure opening for wire harness is at the correct end.
- 6) Place Backing Plate on back of Timer Bar and ensure the ends are flush.



- 7) Place the End Spacers and Middle Spacer(s) as shown and thread in each screw. Wire harness will need to be routed through End Spacer.

HSBU 2x2 – 1 Middle Spacer

(Shown in Picture)

HSBU 2x3 – 2 Middle Spacers

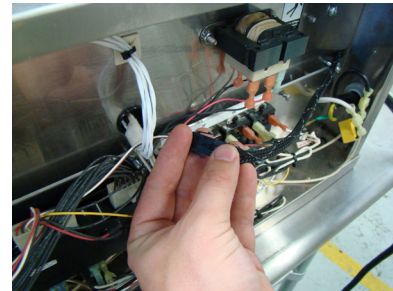




- 8) Route wire harness through to the control compartment and mount the Timer Bar in place, using a screwdriver and 2 1/2" long screws.
- 9) Add silicone caulk to any noticeable gaps.



- 10) Connect Timer Bar wiring harness.

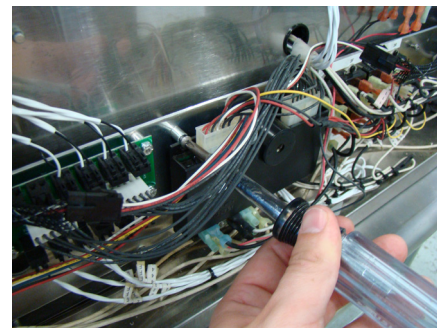


### **REPEAT PROCESS FOR SECOND TIMER BAR**

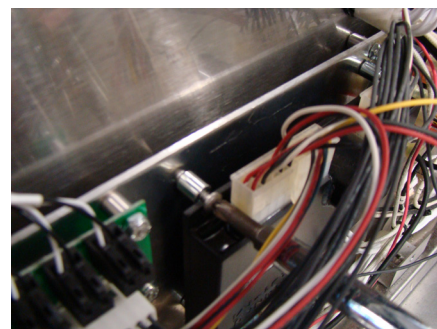
### **Installation – Control Board Standoffs & Louvered Panel**

- 1) Remove and discard (4) screws which secure Control Board.

### **USE CAUTION TO AVOID DAMAGE TO WIRING**



- 2) Install the lower 2 Controller Standoffs first with 3/4" long screw.
- 3) Place Controller on the lower standoffs, then install the 2 top spacers.
- 4) Tighten all 4 screws.
- 5) Assure 2 connectors on the control are properly seated



- 6) Replace old panel with new Louvered Panel, which has wiring diagram adhered to the inside of the panel.
- 7) Reconnect unit to power and verify proper function.





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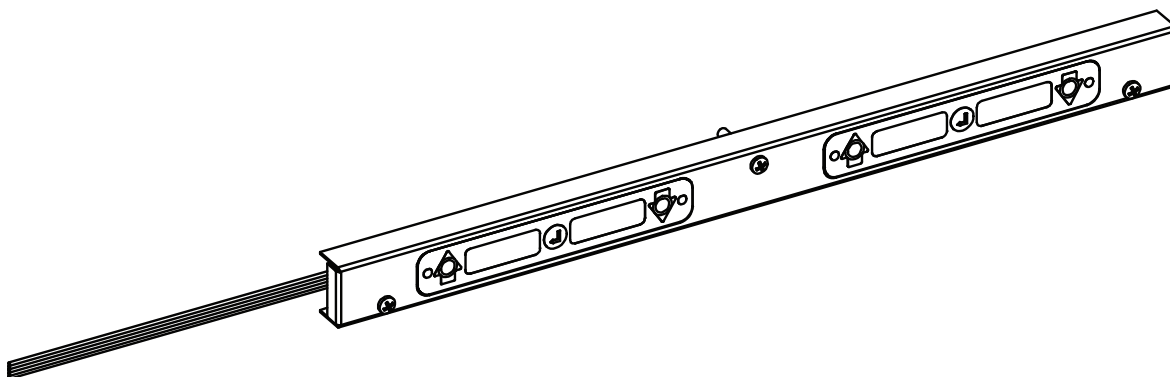
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# INSTALLATION INSTRUCTIONS

## OPTIONAL REAR 2X2 TIMER BAR INSTALLATION INSTRUCTIONS FOR DUKE KIT# 600194



This kit contains:

- 157989 Timer Bar Assy

Items required for this installation:

- #2 Cross Tip Screwdriver

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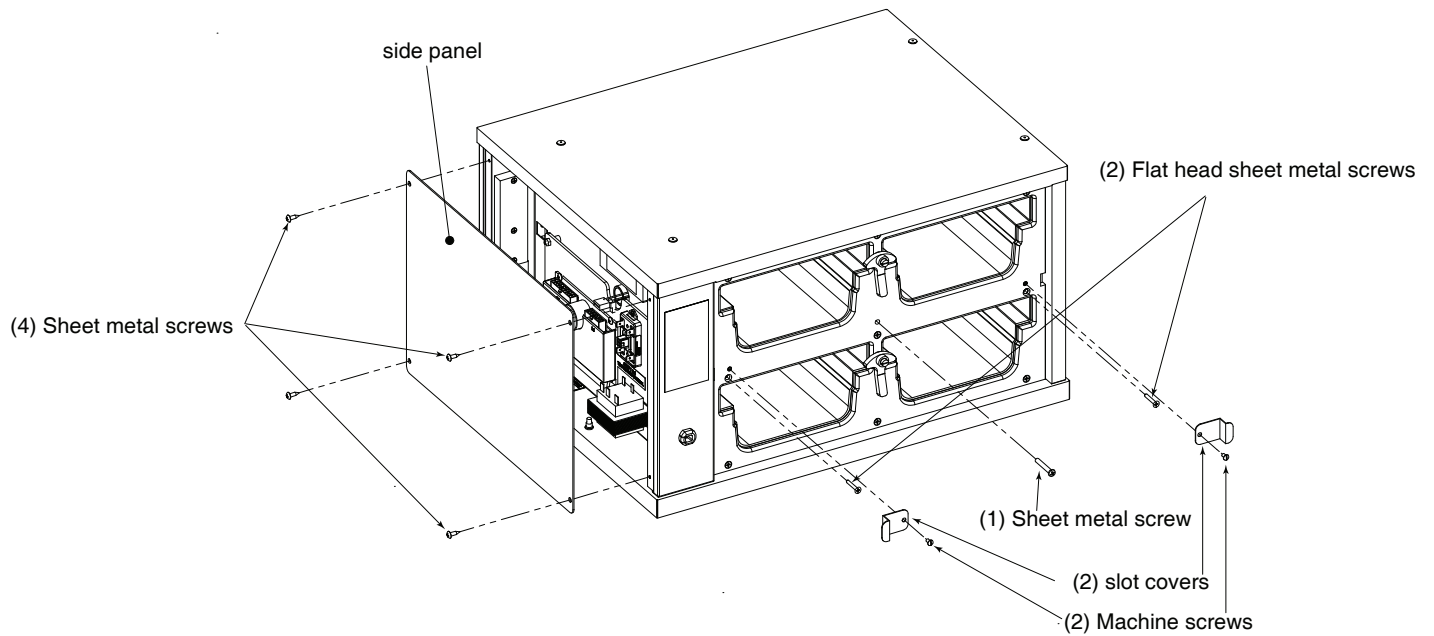
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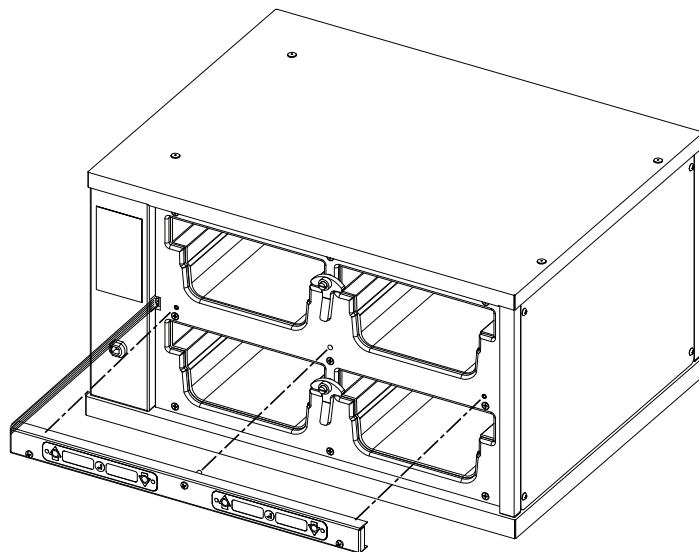
## Optional Rear 2X2 Timer Bar Kit

### Installation Instructions

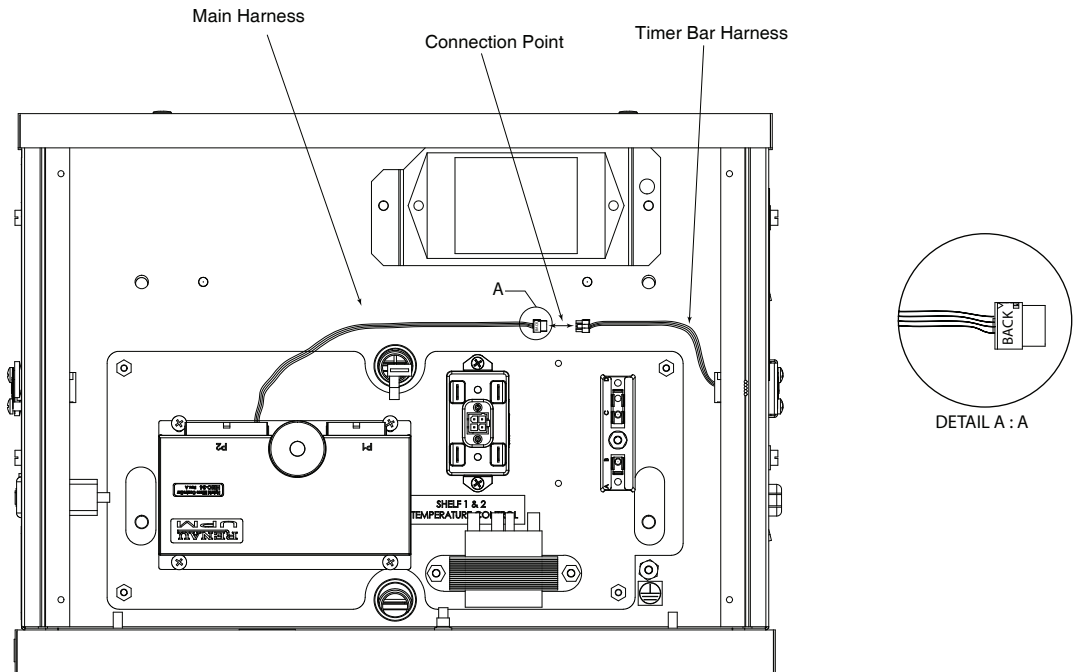
- 1) Turn unit off & Unplug Unit
- 2) Remove Side Panel & Slot Covers



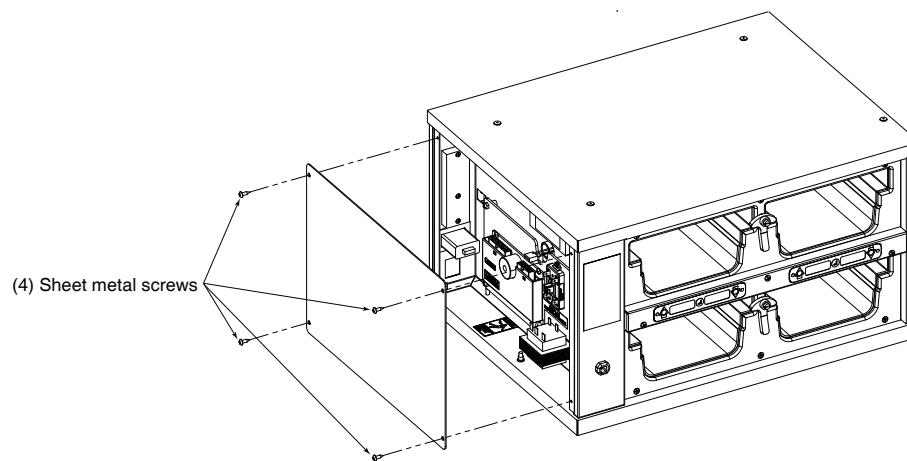
- 3) Route harness through Slot and attach timer bar using three attached screws.



- 4) Connect Timer Bar Harness to connector labeled “BACK” on Main Harness.



- 5) Replace side panel and four screws.



- 6) Plug in and turn unit on. Verify timer bar is working properly.



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