MOO MILK DISPENSER
LANCER INSTALLATION GUIDE

FOR QUALIFIED INSTALLER ONLY. This basic Installation Sheet is an initial release.
If a complete Operations Manual (for the unit being installed) is required or needed,
please refer to the Lancer web site (lancercorp.com) for immediate access,
or for your convenience, scan this QR code with a mobile device (app required) for immediate access
Contact Lancer Customer Service for assistance as required.

TOOLS REQUIRED: Oetiker Pliers, Tubing Cutters, Wrench, Phillips and Slotted Screwdriver, Precision Cutters

WARNING THE DISPENSER IS FOR INDOOR USE ONLY. THIS UNIT IS NOT A TOY. DISPENSER IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL, SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE, UNLESS THEY HAVE BEEN GIVEN INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY. UNIT IS NOT DESIGNED TO DISPENSE DAIRY PRODUCTS. THE MIN/MAX AMBIENT OPERATING TEMPERATURE FOR THE DISPENSER IS 40°F to 90°F (4°C to 32°C).

ADVERTENCIA EL DISPENSADOR SÓLO DEBE USARSE EN INTERIORES. ESTA UNIDAD NO ES UN JUGUETE. ESTA UNIDAD NO ESTÁ DESTINADA AL USO POR PARTE DE PERSONAS (INCLUSO NIÑOS) CON CAPACIDAD FÍSICA, SENSORIAL O MENTAL REDUCIDA, O SIN EXPERIENCIA Y CONOCIMIENTOS SUFICIENTES, A MENOS QUE UNA PERSONA RESPONSABLE DE SU SEGURIDAD LES HAYA DADO SUPERVISIÓN O CAPACITACIÓN EN EL USO DE LA UNIDAD. ESTA UNIDAD NO HA SIDO DISEÑADA PARA SUMINISTRAR PRODUCTOS LÁCTEOS. LA TEMPERATURA AMBIENTE OPERATIVA MÍNIMA / MÁXIMA PARA EL DISPENSADOR ES DE 40°F a 90°F (4°C a 32°C).

AVERTISSEMENT LE DISTRIBUTEUR EST DESTINÉ À UN USAGE À L'INTÉRIEUR SEULEMENT. CET APPAREIL N'EST PAS UN JOUET. IL NE DEVRAIT PASÊTRE UTILISÉ PAR DES ENFANTS OU DES PERSONNES INFIRMES SANS SURVEILLANCE. CET APPAREIL N'EST PAS DESTINÉ À UN USAGE PAR DES PERSONNES (Y COMPRIS LES ENFANTS) AYANT DES CAPACITÉS PHYSIQUES, SENSORIELLES OU MENTALES RÉDUITES, OU MANQUANT D'EXPÉRIENCE ET DE CONNAISSANCES, À MOINS QU'ELLES OBTIENNENT DE LA SURVEILLANCE OU DES INSTRUCTIONS AU SUJET DE L'UTILISATION DE L'APPAREIL DE LA PART D'UNE PERSONNE CHARGÉE DE LEUR SÉCURITÉ. CET APPAREIL N'EST PAS CONÇU POUR DISTRIBUER DES PRODUITS LAITIERS. LA TEMPÉRATURE DE SERVICE AMBIANTE MINIMUM/MAXIMUM POUR LE DISTRIBUTEUR ESTDE 40°F à 90°F (4°C à 32°C).

1. INSTALLATION

1.1 RECEIVING THE UNIT

Each unit is completely tested under operating conditions and thoroughly inspected before shipment. At time of shipment, the carrier accepts the unit and any claim for damage(s) must be made with carrier. Upon receiving units from the delivering carrier, carefully inspect carton for visible indication(s) of damage. If damage exists, have carrier note same on bill of lading and file a claim with the carrier.

1.2 UNPACKING

WARNING TO AVOID PERSONAL INJURY OR DAMAGE, DO NOT ATTEMPT TO LIFT A UNIT WITHOUT HELP. FOR HEAVIER UNITS, USE OF A MECHANICAL LIFT MAY BE APPROPRIATE. UNITS ARE EQUIPPED WITH AUTOMATIC AGITATION. THE UNIT MAY ACTIVATE UNEXPECTEDLY. DO NOT PLACE HANDS, OR FOREIGN OBJECTS INTO THE ICE STORAGE COMPARTMENT. UNPLUG DISPENSER FROM THE POWER SOURCE , WHEN UNIT IS BEING SERVICED, CLEANED, OR SANITIZED.

ADVERTENCIA EVITE LAS LESIONES PERSONALES, NO TRATE DE LEVANTAR EL DISPENSADOR SIN AYUDA. PARA LOS DISPENSADORES MÀS PESADOS USE UN ELEVADOR MECÁNICO. LAS UNIDADES EQUIPADAS CON AGITACIÓN AUTOMÁTICA SE ACTIVAN REPENTINAMENTE. NO PONGA LAS MANOS NI OBJETOS EXTRANOS EN EL COMPARTIMIENTO DE ALMACENAMIENTO DE HIELO. DESENCHUFE EL DISPENSADOR DURANTE TAREAS DE SERVICIO, LIMPIEZA Y ESTERILIZACIÓN.

AVERTISSEMENT POUR ÉVITER DES BLESSURES OU DES DOMMAGES, N'ESSAYEZ PAS DE SOULEVER UNE UNITÉ SANS AIDE. POUR LES UNITÉS PLUS LOURDES, L'UTILISATION D'UN ASCENSEUR MÉCANIQUE PEUT ÊTRE APPROPRIÉE. LES UNITÉS SONT ÉQUIPÉES D'UNE AGITATION AUTOMATIQUE.
L'UNITÉ PEUT S'ACTIVER DEMAINÉRE INATTENDUE. NE PLACEZ PAS LES MAINS, OU DES CORPS ÉTRANGERS DANS LE COMPARTIMENT DE STOCKAGE DE GLACE. DÉBRANCHEZ LE DISTRIBUTEUR DE LA SOURCE D'ALIMENTATION EN ÉLECTRICITÉ QUAND L'UNITÉ EST ENTRETENUE, NETTOYÉE OU ASEPTISÉE.

A. Cut packing band and remove.
B. Lift and remove top portion of carton.
C. Remove inner packing.
D. Remove package containing installation kit.
E. Lift plywood shipping base and remove lower portion of carton.

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1.2 UNPACKING (CONTINUED)

F. Slide a corner of unit (on plywood shipping base) over the edge of counter and remove the shipping screw and washer from unit.
G. Repeat for remaining corners.
H. Slide unit off plywood shipping base and black plastic shipping spacer.
I. Place unit on 4” legs.

1.3 SELECTING A COUNTER LOCATION

Select a location close to a properly grounded electrical outlet and water supply that meets the requirements listed on the specification page.

1.4 INSTALLING THE DISPENSER

A. For back installation only: remove knowckout from access panel located in back of the unit.
B. Titing upward, remove drip tray and set aside.
C. Remove splash plate.
D. Remove thumbscrew and swing control box open. Remove power cord and set aside.
E. Run hose through front of unit to access panel in back. Pull through.
F. Cut other end of hose to length. Slide oetiker clamp onto hose. Insert appropriate fitting (included in installation kit) into hose. Use 90° fitting for back installation and straight fitting for bottom installation. Crimp oetiker clamp onto hose.
G. Slide o-rings onto fitting. Lubricate o-rings with 111 lubricant.
H. Insert fitting into valve. Ensure valve is closed. Locate unused fitting and attach to open end of valve.
I. Close the control box and reinstall the thumbscrew. Reinstall the driptray.
J. Ensure draintube into drip tray is properly seated.
K. Remove grill from top of unit.
L. Remove yellow cap from fill tube.
M. Turn on water supply to fill water bath.

NOTE: The water bath holds 7 3/4 gallons. With a water reducer valve and ball valve installed, this takes approximately 1 1/2 minutes to fill.

N. Watch for water in bottom of product compartment. When water is visible, the bath tank is full. Turn off water supply (See Figure 4).
O. Let water drain into drip tray. Remove drip tray and empty water.
P. Reinstall yellow cap.
Q. Reinstall grill.
R. Thread power cord through back access panel to front of unit.
S. Connect power cord to power supply box inside unit. Plug in other end to electrical outlet. There will be a five minute delay before refrigeration deck starts (fans will turn on).
T. Reinstall splashplate.
U. Reinstall cuprest.

1.5 KEYLOCK SWITCH

The keylock switch, located on the lower right hand front of the unit, has three positions. These positions are:

1. **OFF:** In this position, the refrigeration system remains on, but the unit will not dispense product.
2. **ON:** In this position, the refrigeration system remains on, and the unit dispenses product.
3. **FLUSH:** In this position, the refrigeration system remains on, and the water solenoid coils can be activated with the **PUSH** button. Set-up and diagnostics are performed in this position.

1.6 PURGING AIR FROM THE WATER SYSTEM

A. Turn keylock to the **FLUSH** position.
B. Place a cup beneath the left-most dispensing nozzle (when facing the machine) and press the **PUSH** button until a clear stream is observed.
C. Purge the remaining valve the same way.
D. Rotate the keylock switch to the **ON** position.
E. Dispense a small amount from the valve until product is visible in the stream.
F. The dispenser is ready to operate.

2. OPERATING THE UNIT

2.1 PRODUCT LOADING/UNLOADING

When it is time to change the milk concentrate, the display on the dispenser shows **CHANGE PACKAGE.** On the bottom right, the red **REFILL NOW** light displays.

A. Cool milk concentrate to below 40°F (4°C). Pull flap back exposing product hose. Remove tamper-evident seal.
B. Lock bag fitting in box cutout.
C. Open unit's door by pressing both buttons on bottom of door. Swing door up to expose concentrate containers.
D. Open pump door by pressing red tab.
E. Remove empty packages.
F. Remove nozzles.
G. Wipe down product compartment using a mild detergent.
H. Replace nozzles.
I. Place product box on platform.
J. Insert product hose into nozzle cap (See Figure 6).
K. Close pump door.
L. Close dispenser door.

2.2 RESETTING SOLD OUT FEATURE

Once the package is changed, turn the key to the **FLUSH** position and touch the * in the bottom left hand corner of each touch pad affected until **"CHANGE PACKAGE"** appears. Turn the keyswitch to **ON.** Dispense a small amount from the valve until the product is visible in the stream. Dispenser is ready to operate.

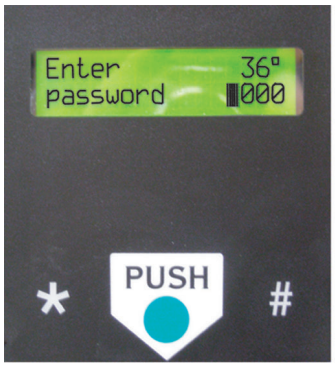
2.3 SETTING RATIOS

A. Turn key to **FLUSH** position.
B. Enter the selection programming mode by simultaneously pressing the * and **#** buttons.
C. Toggle up and down to select the type.
    1. Press left * button to scroll up.
    2. Press right **#** button to scroll down.
D. To select one of the following preset ratios press the **PUSH** button.
    1. 1% Chocolate 2:1
    2. 1% White 3.0:1
    3. 2% White 2.75:1
    4. Whole Milk 2.25:1
    5. Skim Milk 3.25:1
E. To select a custom ratio, simultaneously press the * and **#** buttons on **"Other Custom"**.
    1. Press left * button to scroll up.
    2. Press right **#** button to scroll down.
F. Press the **PUSH** button twice to select a custom ratio in the following range: 2.0:1 to 4.0:1 in increments of .25.

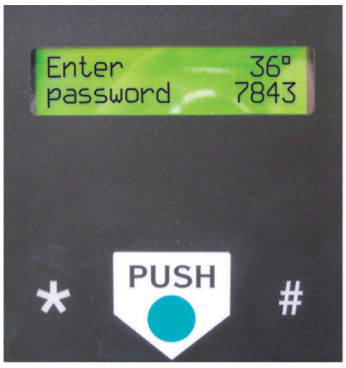
2.4 WAVE PUMP INFORMATION

A. Ensure that the key is in **FLUSH** position.
B. Press and hold the **#** button for five seconds. The Service menu displays.
C. Toggle up and down (press ✱ and **#**) to locate the desired option (listed below). To select one of the options, press the **PUSH** button. At any time, select **BACK** to exit the option.

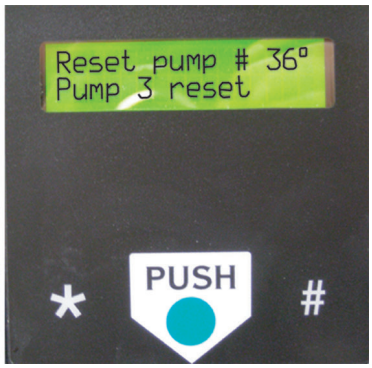
1. **View Pump Revolutions** - The number of the revolutions for a selected pump will display. 3 is the left pump, 1 is the right pump. Toggle using the ✱ and **#** button. To select, press the **PUSH** button.
2. **To Reset Pump Revolutions:**



The revolutions for a selected pump will be set to 0. Upon selecting RESET PUMP REVS, a password prompt will display.



Enter 7843 by using * and **#** button, then press **PUSH**, for each digit.



When you have entered the entire password, select which pump to reset the revolutions for 3 (left pump) or 1 (right pump). A confirmation screen will display. Press **PUSH**, to confirm.

3. **View Version** - Shows the software version.
4. Press **PUSH**, to return to the Service Menu.

3. CLEANING AND SANITIZING

3.1 GENERAL INFORMATION

Lancer equipment is shipped from the factory cleaned and sanitized in accordance with NSF guidelines. After installation, it is the responsibility of the installer to clean and sanitize the dispenser again. The operator of the equipment must provide continuous maintenance as required by this manual and state and local health department guidelines to ensure proper operation and sanitation requirements are maintained.

For optimum dispenser performance and highest drink quality, follow the instructions listed for cleaning your dispenser. Cleaning and sanitizing should be accomplished only by trained personnel.

WARNING IF A POWDER SANITIZER IS USED, DISSOLVE IT THOROUGHLY WITH HOT WATER PRIOR TO ADDING TO THE SYRUP SYSTEM. ENSURE SANITIZING SOLUTION IS REMOVED FROM THE DISPENSER AS INSTRUCTED. AVOID GETTING SANITIZING SOLUTION ON CIRCUIT BOARDS. DO NOT USE STRONG BLEACHES OR DETERGENTS; THESE CAN DISCOLORAND CORRODE VARIOUS MATERIALS. DO NOT USE METAL SCRAPERS, SHARP OBJECTS, STEEL WOOL, SCOURING PADS, ABRASIVES, OR SOLVENTS ON THE DISPENSER. DO NOT USE HOT WATER ABOVE 140° F (60° C). THIS CAN DAMAGE THE DISPENSER.

ADVERTENCIA SI SE USA UN HIGIENIZADOR EN POLVO, DISUÉLVALO BIEN EN AGUA ANTES DE AGREGARLO AL SISTEMA DE CONCENTRADO. EL USO DE AGUA CALIENTE CONTRIBUYE A DISOLVER LOS HIGIENIZADORES EN POLVO. ASEGÚRESE DE HABER ELIMINADO LA SOLUCIÓN DE ESTERILIZACIÓN DEL DISPENSADOR DE ACUERDO CON LAS INSTRUCCIONES. LOS RESIDUOS DE LA SOLUCIÓN DE ESTERILIZACIÓN REPRESENTAN UN PELIGRO PARA LA SALUD. EVITE QUE LA SOLUCIÓN DE ESTERILIZACIÓN LLEGUE A LAS PLACAS DE CIRCUITOS. NO USE LAVANDINAS NI DETERGENTES QUE PODRÍAN QUITAR EL COLOR Y CORROER DISTINTOS MATERIALES. NO USE RASPADORES METÁLICOS, OBJETOS FILOSOS, LANA DE ACERO, ESTROPAJOS, ABRASIVOS NI SOLVENTES EN EL DISPENSADOR. NO USE AGUA CALIENTE A MÁS DE 140 ºF (60 ºC). PODRÍA DAÑAR EL DISPENSADOR.

AVERTISSEMENT AVANT L'INJECTION DANS LE SYSTÈME, IL FAUDRA QUE LA POUDRE SEPTIQUE SOIT DISSOLUE ENTIÈREMENT DANS CHAUDE. L'EAU CHAUDE PERMETTRA UN MEILLEUR PROCÈS DE DISSOLUTION. SUIVANT LES INSTRUCTIONS JOINTES, IL EST IMPÉRATIF QUE LA SOLUTION SEPTIQUE SOIT ENTIÈREMENT ENLEVÉE. EVITEZ DE METTRE LA SOLUTION EN CONTACT AVEC LES CIRCUITS. N'UTILISEZ PAS DE JAVELLISANTS OU DEDÉTERGENTS FORTS; CEUX-CI PEUVENT DÉCOLORER ET CORRODER DIVERS MATÉRIAUX. N'UTILISEZ PAS DE RACLEURS EN MÉTAL, D'OBJETS POINTUS, DE LAINE D'ACIER, DE TAMPONS À RÉCURER, D'ABRASIFS OU DE SOLVANTS SUR LE DISTRIBUTEUR. N'UTILISEZ PAS DE L'EAU CHAUDE DE PLUS DE 140 DEGRÉS F (60 DEGRÉS C). CECI PEUT ENDOMMAGER LE DISTRIBUTEUR.

3.2 CLEANING AND SANITIZING SOLUTIONS

CLEANING SOLUTION: Mix a mild, non-abrasive detergent with clean, potable water at a temperature of 90 to 110°F (32 to 43°C). The mixture ratio is one ounce of cleaner to two gallons of water. prepare a minimum of five gallons of cleaning solution. Do not use abrasive cleaners or solvents because they can cause permanent damage to the unit. rinsing must be thorough, using clean, potable water at a temperature of 90 to 110°F (32 to 43°C). Extended lengths of product lines may require that an additional volume of cleaning solution be prepared.

SANITIZING SOLUTION: Prepare sanitizing solutions in accordance with the manufacturer's written recommendations and safety guidelines. The solution must provide 50 to 100 parts per million (ppM) chlorine. A minimum of five gallons of sanitizing solution should be prepared. Any sanitizing solution may be used as long as it is prepared in accordance with the manufacturer's written recommendations and safety guidelines, and provides 50 to 100 parts per million (ppM) chlorine. Extended lengths of product lines may require that an additional volume of sanitizing solution be prepared.

Other Supplies Needed:

- Sanitary gloves
- Clean cloth towels
- Extra nozzle
- Bucket

3.3 INSTRUCTIONS

A. Turn keylock to **FLUSH** position.
B. Flush each valve until only clear water is dispensed.
C. Remove nozzles.
D. Seperate the elastic cap on nozzles.
E. Wash both the cap and nozzle with warm water using a mild detergent. Rinse with warm water and set aside.

WARNING DO NOT SOAK NOZZLES IN CHLORINE SOLUTION OVERNIGHT. THIS WILL CAUSE NOZZLES TO SWELL AND DETERIORATE.

ADVERTENCIA NO REMOJE LAS BOQUILLAS EN UNA SOLUCIÓN DE CLORO DURANTE LA NOCHE. ESTO CAUSARÁ BOQUILLAS SE HINCHEN Y SE DETERIORAN.

AVERTISSEMENT NE PAS FAIRE TREMPER LES BUSES DANS UNE SOLUTION CHLORÉE PENDANT LA NUIT. CELA ENTRAÎNERA BUSES À GONFLER ET SE DÉTÉRIORER.

F. Wipe down any areas where concentrate may have spilled or beverages splashed detergent.
G. Replace nozzles.
H. Remove drip tray and cuprest. Wash in warm water using a mild detergent. Rinse with warm water and reinstall.
I. Ensure draintube into drip tray is properly seated. Close door.

4. OPERATING PRINCIPLES

4.1 WATER SYSTEM

Inlet water is plumbed through a 1/4 turn ball valve located behind the control box, through a coil of tubing at the bottom of the water ice bath tank. The water is chilled to below 40°F and fed to two outlets at the rear of the product compartment. Each outlet connects to a flow meter/solenoid valve which operates the water flow and measures the amount of water to be dispensed.

4.2 CONCENTRATE DELIVERY SYSTEM

When the dispensing valve is activated, concentrate is drawn from the concentrate container and through the check valve on the concentrate tube by a peristaltic pump. It is metered by volume and pumped into the mixing nozzle where it combines with cold water.

4.3 REFRIGERATION SYSTEM

The unit has a “lift out” refrigeration deck. The compressor, condenser, fan and agitation motors, evaporator, and ice bank control system are mounted on a common deck plate. The deck is attached to the insulated tank assembly in the back of the unit above the water bath compartment. A removable grill mounted to the top cover provides access to the deck components. The refrigeration deck assembly can also be separated from the unit by first removing the door, followed by removing the top cover of the unit. After removing the mounting hardware, the deck can be lifted up and out of the unit.

The copper tube evaporator (mounted to the compressor deck and located in the water bath compartment of a stainless steel insulated tank assembly) forms an ice bank that weighs approximately 21 pounds. Water in the tank is continuously mixed by an agitator motor to maintain a constant 32°F bath temperature and cool the water coil located at the bottom of the tank.

As product is dispensed, ice is depleted, the ice bank control senses that the ice is melting and turns the compressor and condenser fan on. When the ice bank is rebuilt, the ice bank control turns the compressor and condenser fan motor off. The compressor will periodically run to maintain the ice bank even though no drinks were dispensed. If power to the unit was disrupted while the compressor was running, the compressor will not restart immediately when power is re-established. There is a restart delay circuit [approximately five minutes] built into the ice bank control to prevent the compressor from starting under pressure. This feature protects the compressor from premature failure.

Ice water is circulated through the cooling coil at the rear of the product compartment with a pump at the bottom of the ice bath. Cool air is circulated in the product compartment by four small fans mounted to a cooling coil in the container compartment.

4.4 ELECTRICAL SYSTEM

WARNING CHECK THE DISPENSER SERIAL NUMBER PLATE FOR CORRECT ELECTRICAL REQUIREMENTS OF UNIT. DO NOT PLUG INTO A WALL ELECTRICAL OUTLET UNLESS THE CURRENT SHOWN ON THE SERIAL NUMBER PLATE AGREES WITH LOCAL CURRENT AVAILABLE. THIS UNIT MUST BE PROPERLY ELECTRICALLY GROUNDED TO AVOID POSSIBLE FATAL ELECTRICAL SHOCK OR SERIOUS INJURY TO THE OPERATOR. THE POWER CORD HAS A THREE-PRONG GROUNDED PLUG. IF A THREE-HOLE GROUNDED ELECTRICAL OUTLET IS NOT AVAILABLE, USE AN APPROVED METHOD TO GROUND THE UNIT. FOLLOW ALL LOCAL ELECTRICAL CODES WHEN MAKING CONNECTIONS. EACH POWER SUPPLY MUST HAVE A SEPARATE ELECTRICAL CIRCUIT. DO NOT USE EXTENSION CORDS. DO NOT “GANG” TOGETHER WITH OTHER ELETRICAL DEVICES ON THE SAME OUTLET. THE KEYSWITCH DOES NOT DISABLE THE LINE VOLTAGE TO THE TRANSFORMER PRIMARY. ALWAYS DISCONNECT POWER TO THE DISPENSER BEFORE ATTEMPTING ANY INTERNAL MAINTENANCE. ONLY QUALIFIED PERSONNEL SHOULD SERVICE INTERNAL COMPONENTS OF ELECTRICAL CONTROL HOUSING. MAKE SURE THAT ALL WATER LINES ARE TIGHT AND UNITS ARE DRY BEFORE MAKING ANY ELECTRICAL CONNECTIONS!

ADVERTENCIA ELÉCTRICA VERIFIQUE LA PLACA CON EL NÚMERO DE SERIE DEL DISPENSADOR, DONDE ENCONTRARÁ LOS REQUISITOS ELÉCTRICOS CORRECTOS DE LA UNIDAD. NO ENCHUFE LA UNIDAD EN UN TOMACORRIENTE DE PARED A MENOS QUE LA CORRIENTE INDICADA EN LA PLACA CON EL NÚMERO DE SERIE CONCUERDE CON LA CORRIENTE LOCAL DISPONIBLE. ESTA UNIDAD DEBE ESTAR DEBIDAMENTE CONECTADO A TIERRA PARA EVITAR POSI- BLES CHOQUES ELÉCTRICOS MORTALES O LESIONES GRAVES AL OPERADOR. AL HACER LAS CONEXIONES, RESPETE TODOS LOS CÓDIGOS ELÉCTRICOS LOCALES. CADA DISPENSADOR DEBE TENER UN CIRCUITO ELÉCTRICO INDEPENDIENTE. NO USE EXTENSIONES CON ESTA UNIDAD. NO LA CONECTE JUNTO CON OTROS DISPOSITIVOS ELÉCTRICOS AL MISMO TOMACORRIENTE. EL INTERRUPTOR DE LLAVE NO CORTA EL VOLTAJE DE LÍNEA AL TRANSFORMADOR PRIMARIO. DESCONECTE SIEMPRE LA ALIMENTACIÓN ELÉCTRICA A LA UNIDAD PARA EVITAR LESIONES PERSONALES ANTES DE TRATAR DE REALIZAR TAREAS DE MANTENIMIENTO. EL SERVICIO DE LOS COMPONENTES INTERNOS DE LA CAJA DE CONTROL ELÉCTRICO DEBE CONFIARSE EXCLUSIVAMENTE A PERSONAL CALIFICADO. ASEGÚRESE DE QUE TODAS LAS LÍNEAS DE AGUA ESTÉN AJUSTADAS Y LAS UNIDADES ESTÉN SECAS ANTES DE HACER CONEXIONES ELÉCTRICAS.

AVERTISSEMENT ÉLECTRIQUE EXAMINEZ LA PLAQUE DE NUMÉRO DE SÉRIE DU DISTRIBUTEUR POUR CONNAÎTRE LES BONNES EXIGENCES EN MATIÈRE D’ÉLECTRICITÉ POUR L’APPAREIL. NE LE BRANCHEZ PAS À UNE PRISE ÉLECTRIQUE MURALE À MOINS QUE LE COURANT INDIQUÉ SUR LA PLAQUE DE NUMÉRO DE SÉRIE CORRESPONDE AU COURANT LOCAL DISPONIBLE. L’UNITÉ DOIT ÊTRE MISE À LA TERRE ÉLECTRIQUEMENT POUR ÉVITER UNE DÉCHARGE ÉLECTRIQUE MORTELLE OU DES BLESSURES GRAVES POSSIBLES À L’OPÉRATEUR. LE BLOC D’ALIMENTATION DOIT ÊTRE MIS À LA TERRE ÉLECTRIQUEMENT COR- RECTEMENT POUR ÉVITER DES BLESSURES GRAVES OU UNE DÉCHARGE ÉLECTRIQUE MORTELLE. LE CORDON D’ALIMENTATION A UNE FICHE À TROIS BRANCH- ES MISE À LA TERRE. SI AUCUNE PRISE DE COURANT ÉLECTRIQUE À TROIS TROUS N’EST DISPONIBLE, UTILISEZ UNE MÉTHODE APPROUVÉE POUR METTRE L’U- NITÉ À LA TERRE. RESPECTEZ TOUS LES CODES ÉLECTRIQUES LOCAUX LORSQUE VOUS FAITES DES CONNEXIONS. CHAQUE SOURCE D’ALIMENTATION DOIT AVOIR UN CIRCUIT ÉLECTRIQUE SÉPARÉ. N’UTILISEZ PAS DE CORDONS PROLONGATEURS. NE BRANCHEZ PAS PLUSIEURS APPAREILS ÉLECTRIQUES À LA MÊME PRISE DE COURANT. L’INTERRUPTEUR À CLÉ NE COUPE PAS LA TENSION SECTEUR AU TRANSFORMATEUR PRIMAIRE. DÉCONNECTEZ TOUJOURS L’ALIMEN- TATION EN ÉLECTRICITÉ À LA DISTRIBUTRICE AVANT DE FAIRE DE L’ENTRETIEN INTERNE. SEUL LE PERSONNEL QUALIFIÉ DEVRAIT FAIRE L’ENTRETIEN/ LA RÉPARATION DES COMPOSANTS INTERNES DANS LE LOGEMENT DES COMMANDES ÉLECTRIQUES. ASSUREZ-VOUS QUE TOUTES LES CONDUITES D’EAU SONT ÉTANCHES ET QUE LES APPAREILS SONT SECS AVANT DE FAIRE DES CONNEXIONS ÉLECTRIQUES!

4.4 ELECTRICAL SYSTEM (CONTINUED)

The unit's power cord plugs directly into the power supply located on the front left corner of the dispenser behind the splash plate. Jumper harnesses from the power supply provides 32 VDC to the CPU and line voltage to the refrigeration deck.

The dispenser's electronic systems control all of the dispenser functions. The refrigeration system is controlled by an electronic ice bank controller located on the compressor deck. A printed circuit board, located in the doors, operates the front display panel and relays control signals to the control box. All other functions are controlled by the electronic control box located behind the splash plate.

A. Water Solenoid/Flow Meter

When the dispense mode is activated, the solenoid valve opens and water flows through a digital flow meter which sends a signal to the microprocessor. The microprocessor continuously monitors the flow rate and adjusts the concentrate drive motor to correct for any variations in flow rate due to pressure variations.

B. Electronic Ice Bank Controller

The ice bank controller housing is mounted on the compressor deck. It connects to a probe that is mounted to the evaporator coil. The probe allows the controller to measure the difference in resistance between water and ice, and shuts the compressor off when the ice bank grows enough to cover the probe. The printed circuit board inside the housing uses an edge connector so that it can be easily serviced.

C. Product Compartment Temperature Sensor

A temperature sensor is located below the cooling coil inside the product component. Product compartment temperature is displayed on the product compartment door.

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