

Hotronic
ELECTRONIC HEATING SYSTEM

OPERATING INSTRUCTIONS
MODE D'EMPLOI
GEBRAUCHSANWEISUNG
ISTRUZIONI D'USO
BRUKSANVISNING

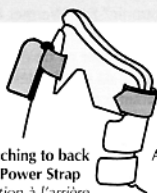
FootWarmer



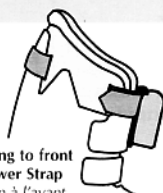
POWER
3.5 plus

POWER
2.7 plus

ATTACHING BATTERY PACK
FIXATION DU BLOC-PILES
BEFESTIGUNG DES AKKU-PACKS
FISSAGGIO DELL'UNITÀ BATTERIE
MONTERING AV BATTERIPAKETET



Attaching to back of Power Strap
Fixation à l'arrière de la courroie
 Befestigung hinten am Halteriemen
Fissaggio posteriore sul nastro
 Montering bak på kardborrebandet

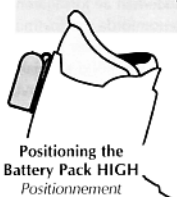


Attaching to front of Power Strap
Fixation à l'avant de la courroie
 Befestigung vorne am Halteriemen
Fissaggio anteriore sul nastro
 Montering fram på kardborrebandet

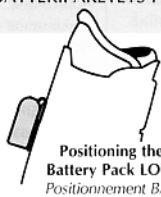


Do not attach to slippery surfaces
Ne pas fixer aux surfaces glissantes
 Nicht an rutschigen Oberflächen anbringen
Non attaccare su superfici lisce
 Montera den inte på hala ytor

POSITIONING BATTERY PACK
POSITIONNEMENT DU BLOC-PILES
POSITIONIERUNG DES AKKU-PACKS
POSIZIONE DELL'UNITÀ BATTERIE
BATTERIPAKETETS POSITION



Positioning the Battery Pack HIGH
Positionnement HAUT du bloc-piles
 Positionierung des Akku-Packs HOCH
Posizione ALTA dell'unità batterie
 Batteripaketets position är HÖG



Positioning the Battery Pack LOW
Positionnement BAS du bloc-piles
 Positionierung des Akku-Packs TIEF
Posizione BASSA dell'unità batterie
 Batteripaketets position är LÅG

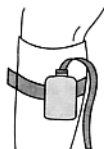


Positioning the Battery Pack FRONT
Positionnement À L'AVANT du bloc-piles
 Positionierung des Akku-Packs VORNE
Posizione FRONTALE dell'unità batterie
 Batteripaketets position är FRAMME

ADDITIONAL ATTACHMENT ACCESSORIES
AUTRES ACCESSOIRES DE FIXATION
ZUSÄTZLICHES BEFESTIGUNGSZUBEHÖR
ACCESSORI SUPPLEMENTARI PER IL FISSAGGIO
YTTERLIGARE MONTERINGSTILLBEHÖR



Strap Bracket
Fixation de montage à la courroie en Velcro®
 Akku Pack-Halterung für Kletterriemen
Dispositivo di fissaggio sulla fascetta in Velcro®
 Förlutningsbands .klammer



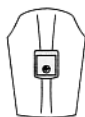
Velcro® Attachment Strap
Courroie en Velcro®
 Klettverschlussriemen
Fascetta di fissaggio in Velcro®
 Velcro® - remmar (Kardborrläs)



80 cm Extension Cord
Cordon prolongateur de 80 cm
 80 cm
 Verlängerungskabel
Prolunga da 80 cm
 80 cm
 förlängningsladd



120 cm Extension Cord
Cordon prolongateur de 120 cm
 120 cm
 Verlängerungskabel
Prolunga da 120 cm
 120 cm
 förlängningsladd



Mounting Bracket
Fixation de montage
 Akku-Pack Halterung
Dispositivo di fissaggio
 Monteringsklämmor

**TRIMMING FOOTWARMER STANDARD
TO CORRECT SIZE**

DÉCOUPE DU CHAUFFE-PIEDS FOOTWARMER
STANDARD À LA BONNE DIMENSION
ZURECHTSCHNEIDEN DES FOOTWARMER
STANDARD AUF DIE KORREKTE GRÖSSE
SAGOMATURA DELLA SOLETTA RISCALDANTE
FOOTWARMER STANDARD SECONDA LA
GRANDEZZA NECESSARIA
TILLKLIPPNING AV FOOTWARMER STANDARD
TILL RÄTT STORLEK



APPLYING FOOTWARMER CUSTOM TO CUSTOM INSOLES
APPLICATION DU CHAUFFE-PIEDS FOOTWARMER CUSTOM
AUX SEMELLES SUR MESURE

ANBRINGEN DES FOOTWARMER CUSTOM AUF MASSEINLAGEN
APPLICAZIONE DELLO SCALDAPIEDI FOOTWARMER CUSTOM
SU PLANTARI ORTOPEDICI
MONTERING AV FOOTWARMER CUSTOM PÅ DEN INDIVIDUELLA
INLÄGGSSULANINLÄGGSSULAN



Correct heating position
*Position de chauffage
appropriée*
Korrekte Heizungsposition
*Posizionamento corretto
di riscaldamento*
Korrekt värme-position

Too far forward
Trop à l'avant
zu weit vorne
Troppo avanti
för långt framme

Too far back
Trop à l'arrière
zu weit hinten
Troppo indietro
för långt bak



Make a narrow slit
Faire une fente étroite
Schmalen Schlitz
schneiden
Fare un intaglio stretto
Klipp en smal springa

**Run Power Cord
through slit**
*Passer le cordon
électrique dans la fente*
Anschlußkabel durch
Schlitz führen
*Inserire il cordone
elettrico nel taglio*
Led strömsladden
genom springan

Apply Cambrelle® cover
*Appliquer une ban
de Cambrelle®*
Cambrelle®-
Stoffüberzug auflegen
*Applicare il rivestimento
Cambrelle®*
Lägg på Cambrelle® -
beklädnaden



Trim excess Cambrelle®
Découper l'excédent de bande Cambrelle®
Überschüssiges
Cambrelle® wegschneiden *Tagliare la parte
eccedente del rivestimento Cambrelle®*
Klipp bort överflödigt Cambrelle®

Apply Cambrelle® strip
Appliquer la bande Cambrelle®
Cambrelle®-Streifen anbringen
Applicare il nastro Cambrelle®
Sätt på Cambrelle® -
remsan

APPLYING FOOTWARMER CUSTOM TO HOTRONIC'S HEAT READY INSOLES
INSTALLATION DU FOOTWARMER CUSTOM SUR SEMELLES HOTRONIC
- HEAT READY

Anbringen des FootWarmers CUSTOM auf Hotronic's
 heizfertige Schuheinlagen

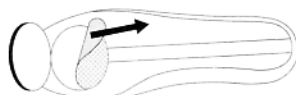
APPLICAZIONE DEL FOOTWARMER CUSTOM SULLE SOLETTE
 HOTRONIC - HEAT READY

MONTERING AV FOOTWARMER CUSTOM PÅ HOTRONICS
 HEAT READY- INLÄGGSSULOR



Open Heating Element door

Ouvrir l'ouverture pour l'élément chauffant
 Öffnen der Heizelement Öffnung
Aprire l'apertura per l'elemento riscaldante
 Öppna öppningen för värmeelementet.



Remove adhesive-separating-layer

Ôter la pellicule de séparation autocollante en papier
 Entfernen der selbstklebenden Papiertrennschicht
Rimuovere lo strato adesivo divisorio di carta
 Ta bort det självhäftande papperskiktet.



Insert Heating Element with Power Cord facing up and aligned with channel

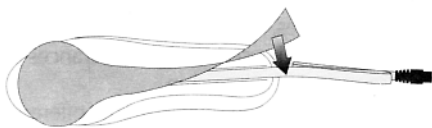
Introduire l'élément chauffant avec le câble vers le haut, suivre le sillon prévu pour l'installation du câble
 Einführen des Heizelementes mit Kabel nach oben und in der Flucht der Kabelvertiefung
Inserire l'elemento riscaldante con il cavetto d'alimentazione rivolto verso l'alto ed allineato con la scanalatura

För in värmeelementet med sladden uppåt och i linje med fördjupningen för sladden.



Close door pressing firmly on both sides of insole

Fermer l'ouverture pour l'élément chauffant en pressant fortement sur les deux côtés de la semelle
 Schliessen der Heizelement Öffnung durch kräftiges Andrücken auf beiden Seiten der Einlage
Chiudere l'apertura per l'elemento riscaldante, premendo con forza su ambo i lati della soletta.
 Stäng öppningen för värmeelementet genom att kraftigt trycka på båda sidorna av inlägget.



Apply Cambrelle® strip

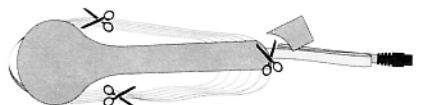
Introduire la bande autocollante Cambrelle®
 Anbringen des selbstklebenden Cambrelle® Streifens
Applicare il nastro autoaderente in tessuto Cambrelle.
 Sätt på det självhäftande Cambrelle skicket.

Trim to size

Couper la semelle à la pointure désirée
 Auf richtige Größe zuschneiden
Tagliare la soletta alla misura giusta
 Klipp till riktig storlek..



Semi Custom - Heat Ready Insoles
 Semelles Semi Custom - Heat Ready
 Semi Custom - Heizfertige Schuheinlage
 Plantare Semi Custom - Heat Ready
 Semi Custom - Heat Ready Insoles

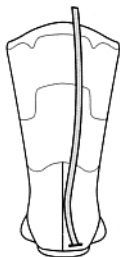


One Size Fits All - Heat Ready Insoles
 Semelles - Heat Ready - One Size
 Zuschneidbare, heizfertige Schuheinlage
 Plantare - Heat Ready - One Size
 One Size Fits All - Heat Ready Insoles

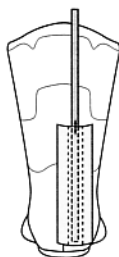
INSTALLATION OF INSOLES
INSTALLATION DES SEMELLES
INSTALLATION DER HEIZSOHLEN
INSTALLAZIONE DELLE SOLETTE
MONTERING AV INLÄGGSSULAN



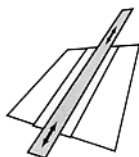
Position and cut T-slit
Placer et découper la fente en T
 In der korrekten Position T-Schlitz schneiden
Effettuare l'intaglio a T nella corretta posizione
 Klipp en T – formad springa i den rätta positionen



Run Power Cord through T-slit
Passer le cordon électrique dans la fente T
 Anschlußkabel durch T-Schlitz führen
Inserire il cordone elettrico nell'intaglio a T
 Led strömsladden genom T – springan



Free floating channel
Canal flottant libre
 Freilaufkanal
Canalina per il cordone elettrico
 Fritt löpande kanal



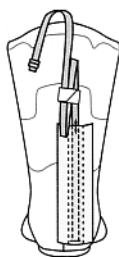
Free floating channel
Canal flottant libre
 Freilaufkanal
Canalina per il cordone elettrico
 Fritt löpande kanal



Excessive Power Cord exposed
Trop de cordon électrique exposé
 Zu viel Anschlußkabel freiliegend
Cordone elettrico eccessivamente esposto
 För mycket kabel ligger fritt



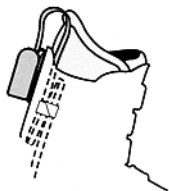
Folded & splayed Power Cord
Cordon électrique replié et aplati
 Zusammengelegtes und gespreiztes
Cordone elettrico piegato e divaricato
 ihoprullad kabel



Folded & splayed Power Cord
Cordon électrique replié et aplati
 Zusammengelegtes und gespreiztes
Cordone elettrico piegato e divaricato
 ihoprullad kabel

Free floating channel
Canal flottant libre
 Freilaufkanal
Canalina per il cordone elettrico
 Fritt löpande kanal

Adequate Power Cord exposed
Suffisamment de cordon électrique exposé
 Genug (aber nicht zu viel) Anschlußkabel freiliegend
Cordone elettrico adeguatamente esposto
 Lagom (men inte för mycket) kabel ligger fri



Placing folded Power Cord
Passer le cordon électrique replié
 Einlegen des zusammengelegten Anschlußkabels
Posizionamento del cordone elettrico piegato
 lläggning av den ihoprullade kabeln



FootWarmer

CONTENTS

FootWarmer STANDARD (with Insoles) in both Power Plus 3.5 and Power Plus 2.7 models contain:

- 2 Battery Packs with Integrated Heat Regulator
- 1 pair of Insoles with Heating Elements
- 1 Recharger

FootWarmer CUSTOM in both Power Plus 3.5 and Power Plus 2.7 models contain:

- 2 Battery Packs with Integrated Heat Regulator
- 1 pair of Heating Elements with Cambrelle Covers & Strips
- 1 Recharger

FEATURES AND PERFORMANCE OVERVIEW

Dedicated to your foot wherever it goes, the Hotronic FootWarmer easily transfers from one type of footwear to another. Based on computer technology, Battery Pack's Micro-Processor permits four (4) temperature settings. High quality, rechargeable NiMH batteries are selected for cold temperature performance. Heating Elements are located in toe of Insole. Following temperatures and durations are approximations only as ratings are affected by recharging process and various tolerances of batteries, Micro-Processors, and Micro-Chips. Durations are determined at battery temperature of -4°F (-20°C).

TEMPERATURE AND DURATION CHART

Setting	Approx. Avg. Temp.		Duration Range	
	°C	°F	POWER 3.5 plus	POWER 2.7 plus
1	32°C	90°F	17-18 Hrs	13-14Hrs
2	40°C	105°F	8-9 Hrs	6-7 Hrs
3	46°C	115°F	5-6.5 Hrs	4-5 Hrs
4	68°C	155°F	2.25-3 Hrs	1.75-2.25 Hrs

USING HEAT SETTINGS

1. Use FootWarmer to **maintain comfort and warmth**. Prevent feet from getting cold. Warming cold feet requires more energy, is less effective, and is not intended use of FootWarmer.
2. Before going into cold, **set dial at 1 or 2 to maintain comfort and warmth**.
3. **For additional bursts of heat, set dial to 3 or 4** for several minutes at a time then reset to 1 or 2.
4. **DO NOT USE SETTING 4** for more than two to three minutes at a time as it may become too hot and may result in burns. **SEE CAUTIONS REGARDING BURNS.**
5. **Heat is continuous at each setting** and does not thermostatically cycle on and off. Settings 1 and 2 maintain warmth AND save energy.

WHAT TO EXPECT OF HEAT SETTINGS

1. **Expect imperceptible heat** to maintain comfort and warmth.
2. **Do not expect** fireplace toes.
3. Learn **what personally works best** over time.
4. Think of your FootWarmer as **Thermo Active Insulation (TM)**. As cold penetrates through insole, it draws heat off Element rather than toes. **Balanced heat** is imperceptible yet maintains comfort and warmth. **Too much heat** and feet feel excess heat. **Too little heat** and feet feel cold penetrating through.

5. **If feet are comfortable yet feel excess heat**, turn to lower setting to minimize perspiration and maximize battery duration.
6. **If feet begin to feel cool**, turn setting up to maintain comfort and warmth.
7. **If you question FootWarmer** and cannot feel heat, try turning left Battery Pack off. If left foot becomes colder, FootWarmer is working.
8. **Ability to feel heat and maintain comfort and warmth depends upon** proper installation; footwear, sock, and insole type, fit, and dryness; foot callus size; activity levels; weather conditions; and other factors.
9. **Expect bottom of toes to feel heat less** than fingers and hands.

COMFORT AND WARMTH RANGES

When first learning use of FootWarmer, following chart may help in setting selection. Chart represents approximate ranges for comfort and warmth maintenance. First determine outside temperature then select setting based on personal sensitivity to cold. More sensitive select left of range. Less sensitive select right.

OUTSIDE TEMPERATURES

	°C	0°	-4°	-7°	-10°	-12°	-15°	-18°	-21°
SETTING	°F	32°	25°	20°	15°	10°	5°	0°	-5°
1	*****								
2	*****								
3	*****								

TIPS ON USING FOOTWARMER

1. **Extremely poor circulation or extremely cold conditions** may require setting 2 or 3 for comfort and warmth. Extra Battery Packs extend all day comfort and warmth.
2. **Do not allow chair lift to hit you!** Damage may result to you and your FootWarmer.
3. **Be careful walking down stairs!** Battery Packs may catch stair edge when mounted on back of boots.
4. **Place heated insole** (fabric surface up) directly underneath socked foot. **Do not place another insole** over heated insole.
5. **Proper fitting boots** help maintain comfort and warmth. **Tight boots and improper fit** restrict blood flow and compromise comfort and warmth.

DRY BOOTS! DRY SOCKS!

1. **If boots and socks are wet**, expect cold feet.
2. **Wet conductive heat loss is 23 times greater than dry heat loss.** (W. L. Gore & Associates, 1994)
3. **Feet perspire more** than any other part of your body except your head and hands. Each foot perspires about 1/4 cup of water a day at rest and one full cup when active. (W. L. Gore & Associates, 1994)
4. **Maintain dry boots!** Dry after each use! Each additional day of moisture buildup makes warm feet more difficult. Consider boot dryer.
5. **Remove inner boots** to dry between liner and boot shell.
6. **Maintain dry, clean socks!** Change midday for afternoon comfort and warmth.

7. **Use single pair of medium weight socks.** Select wool blend, polypropylene®, or thermax® type sock to wick moisture away and keep feet dry and warm.
8. **Do not use** thick socks, neoprene socks, or reflective sock liners as these keep heat from toes.
9. **Do not use** cotton or other moisture absorbing socks.

ATTACHING BATTERY PACK (See drawings)

1. Slide Battery Pack Wire Clip **SECURELY** over boot top or attach to strap such as Velcro® Power Strap on ski or snowboard boot.
2. **NOTE: DO NOT SLIDE BATTERY PACK OVER SLIPPERY MATERIAL SUCH AS SKI BOOT PLASTIC AS THE EASIER IT SLIDES ON, THE EASIER IT WILL SLIDE OFF. SECURELY ATTACH BATTERY PACK AT ALL TIMES.**
3. **Mounting Bracket Accessory** (optional). For a simple, secure, quick attachment of Battery Packs to ski or hard shell snowboard boots.
4. **Strap Bracket Accessory** (optional). For a simple, secure, quick attachment of Battery Packs to ski or snowboard boot power straps.
5. **Velcro® Attachment Strap Accessory** (optional). Strap around leg at or above calf or around boot top. Battery Pack clips over Strap.
6. **Extension Cord Accessory** (optional). Run Cord underneath pant leg and plug into Battery Pack at waist height (80 cm Cord) or chest height (120 cm Cord).

POSITIONING BATTERY PACK (SKI AND SNOWBOARD BOOTS) (See drawings)

1. Positioning Battery Pack **HIGH on back** of boot permits pant leg to cover Battery Pack but increases potential **chair lift damage**.
2. Positioning Battery Pack **LOW on back** of boot reduces potential chair lift damage but increases potential damage while walking down stairs.
3. Positioning Battery Pack on **TOP FRONT** of boot permits pant leg to cover Battery Pack, eliminates potential chair lift and stair damage, and is convenient when adjusting Setting.

BATTERY PACK LED LIGHT

1. Battery Pack LED **indicates power is on or off**. It does not indicate charge level.
2. **LED will not light** when batteries are fully discharged or do not have enough power to heat Element .
3. When batteries are **almost fully discharged**, they may power LED alone but not LED and Heating Element together.
4. **NOTE: WHEN BATTERY PACK LED is ON at SETTING 0**, water may be around electrical contacts, may cause Heating Element to become hot at any setting, and **MAY RESULT IN BURNS**. Melting snow around plug area is one common cause for such moisture. **See CAUTIONS REGARDING BURNS.**

RECHARGING BATTERY PACKS

- **CAUTION: Use Hotronic's Blue Plug Recharger only for the Power Plus 3.5 Battery Packs. Using other than Hotronic's Blue Plug Recharger voids the Warranty!**
- **CAUTION: Use Hotronic's Red Plug Recharger only for the Power Plus 2.7 Battery Packs. Using other than Hotronic's Red Plug Recharger voids the Warranty!**

- **Hotronic's Blue and Red Plug Rechargers** provide approximately 12 hours (as of 7/1/01) of full current recharging before switching to trickle current recharging.
 - **While not required of NiMH batteries, Hotronic recommends FULLY DISCHARGING before FULLY RECHARGING Battery Packs to optimize strength.** Use setting 4 for quickest discharge until Heating Elements are no longer warm.
1. **TO RESET RECHARGER, unplug Recharger from wall outlet and Battery Packs for a minimum of 1 minute.**
 2. **Plug Recharger into Battery Packs.**
 - *If Recharger LED light comes on, repeat step one (1) above.*
 - *May be recharged on any setting (0, 1, 2, 3, or 4).*
 3. **Plug Recharger into outlet.**
 - *Do not plug Recharger into outlet controlled by wall switch.*
 4. **Check Recharger for *continuous* Red LED light.**
 - *If Red LED light is flashing, repeat instructions from step one (1) above.*
 - *A continuous Red LED light indicates full current recharging.*
 - *A flashing Red LED light indicates trickle current recharging.*
 5. **Unplug Battery Packs from Recharger anytime after Red LED light starts flashing (approximately 12 hours) (as of 7/1/01).**
 6. **Turn Battery Packs to setting 0.**
 7. **Unplug Recharger from outlet.**

TIPS ON RECHARGING

1. **Expect all battery types to lose strength over time.**
2. **Expect optimal performance** of newer Battery Packs.
3. **Expect optimal performance** with use shortly after recharging.
4. **Expect less than optimal performance** after recharging as each day, week, or month passes before use.
5. **Battery self-discharge rates** may range from 1 to 2 percent per day.
6. **When Battery Packs are unplugged and left on settings 1, 2, 3, or 4,** a slight increase in discharge results.
7. **When unplugging Recharger from outlet, unplug Recharger from Battery Packs** or discharge occurs regardless of setting.
8. **When Recharger's Red LED light is flashing** (trickle current recharging), Battery Packs may remain on Recharger indefinitely.
9. **However, as further protection against possible battery damage, Hotronic DOES NOT recommend leaving Battery Packs on Recharger for extended periods of time** such as 24 hours, one week, or one month.
10. **During recharging, a power outage of more than 1.5 hours** will restart full current recharging when Battery Packs are attached and may cause overcharging damage to batteries.
11. **Overcharging damage** may result in batteries no longer holding a charge.
12. **Overcharging damage** to batteries and batteries no longer holding a charge are NOT covered under Warranty.
13. **Should any intentional or unforeseen interruption of recharging occur,** Hotronic recommends recharging from beginning of instructions.
14. **To confirm wall outlet is NOT controlled by switch,** plug in Recharger WITHOUT Battery Packs attached. Recharger's Red LED light is on when current is active and goes out within 3 seconds when outlet is turned off by switch.
15. **Hotel room razor outlets** (and other Ground Fault Current Interrupter outlets) are not recommended.

16. **One or two Battery Packs may be recharged on one Recharger** per above instructions for approximately 12 hours.
17. **For summer storage**, recharge Battery Packs as per instructions, set on 0, and store without Recharger, Heating Elements, or Insoles with Heating Elements plugged in.

TRIMMING FOOTWARMER STANDARD TO CORRECT SIZE

(See drawings)

If used in footwear with removable insoles:

1. Trace removable insole on backside of Hotronic Insole.
2. Trim Hotronic Insole to size of removable insole.
3. Hotronic Insole may be placed on top of removable insole or in place of.

If used in footwear without removable insoles:

1. Place foot on backside of Insole.
2. Cut Insole along sides and heel. Select slightly larger sizing line at first.
3. Further trim Insole where necessary.
4. **DO NOT CUT Power Cord.**
5. **DO NOT CUT Heating Element** where indicated on backside of Insole. Ø

Place black fabric, heated side of Insole up when installing in footwear.

APPLYING FOOTWARMER CUSTOM TO CUSTOM INSOLES

(See drawings)

1. With foot on custom insole, **position Heating Element under toes** placing Power Cord toward heel.
2. Remove foot, carefully lift Heating Element slightly, and **mark position on insole where Power Cord descends from Element.**
3. Use razor knife or grinding device to **make slit or narrow opening at marked position.** Hard insole material may require wider opening for Plug. Use heat gun to soften hard material for narrowest opening.
4. **Run Power Cord through slit or opening** until Element lies flat and in correct position. Use spray or brush-on adhesive between insole and Element.
5. **Apply self adhesive Cambrelle® Cover** over top of insole. Trim excess with scissors **AFTER** applying. If needed, use additional adhesive between insole and Cambrelle®.
6. **Apply Cambrelle® Strip** over Power Cord on bottom of insole to hold in place.
7. **If foot is sensitive to Power Cord**, create shallow channel where needed under insole using razor knife or grinding device. Reapply Cambrelle® Strip.

INSTALLATION OF INSOLES

(For General Footwear) (See Drawings)

1. Place insole in footwear with Power Cord flat underneath.
2. Run Power Cord up back or side of leg.
3. Securely fasten Battery Pack as per instructions.
4. Plug Power Cord into Battery Pack.

INSTALLATION OF INSOLES (For Boots with Liners, Hard Shell Ski or Snowboard Boots) (See Drawings)

1. **Pay complete attention** during installation to prevent chafing, abrading, cutting, over tension, and tearing of Power Cord. **These types of damages are NOT covered under Manufacturer's Limited Warranty.**
2. **To place Power Cord between inner boot and shell**, Hotronic recommends following:
 - a. With insole removed, use fingertips along bottom edge of inner boot heel pocket to **locate position where Power Cord will exit.**
 - b. **Mark 3/4 inch horizontal line** on inner boot exterior at position for cut. **DO NOT POSITION CUT** over inner boot seam.
 - c. With razor knife, **cut cleanly through inner boot** along 3/4 inch line. Then cut 3/8 inch up from center of line to **create T-slit.**
 - d. Insert insole partially into inner boot, align Power Cord, and **push Plug through T-slit.**
 - e. Verify Power Cord is laying flat in inner boot, then **fully insert insole.**
3. **Taping Power Cord** to inner boot may protect it from undue wear and tear. However, reduce possible over tension and severing of Cord in forward flexing with **"free floating channel"** in tape. Adhere 3/4 inch width of duct tape lengthwise up center of full width piece, sticky sides together. With full width adhered to inner boot, 3/4 inch width serves as "free floating channel".
4. **Reduce excess length of Power Cord** by gently folding into ribbon, splaying to reduce thickness, and taping in center. Place between inner boot and shell. **DO NOT BEND REPEATEDLY** in previously folded area as it may cause Cord to fail.
5. **Leave adequate length of Power Cord** looped up and outside boot. This reduces chances of tearing and damaging Power Cord. **Too short** becomes inconvenient. **Too long** exposes unnecessary lengths to damage from zippers, chair lifts, metal edges (when stepping out of bindings), and other objects.

TIPS ON INSTALLATION

1. **For specific footwear or activities**, contact your Hotronic Dealer regarding installation recommendations.
2. **For longer reach of Power Cord**, bring out from under insole in front of outside ankle bone then up along side of leg. For Equestrian Dressage or Field boots.
3. **Reduce excess length of Power Cord** for liner-less footwear by gently folding into ribbon and taping in center. Position folds closely outside top of footwear. **DO NOT BEND REPEATEDLY** in previously folded area as it may cause Cord to fail.

MISCELLANEOUS OTHER TIP BITS

1. **All Hotronic FootWarmers within a given model essentially have the same total energy output.** Tolerances in Micro-Processors, Micro-Chips and batteries result in a setting being slightly warmer while not lasting as long and vice versa.
2. **Battery Packs are water resistant.** Should water get inside, hold, shake, and place upside down until dry. **See CAUTIONS REGARDING BURNS.**
3. **Heating Elements and Insoles are water resistant.** If wet, drying completely prolongs life.

4. **Replacement parts and accessories** are available at your Hotronic Dealer.
5. **Send in Warranty Card** to insure proper coverage.

CAUTIONS REGARDING BURNS

Use of Hotronic FootWarmer may result in burns. The higher the temperature setting, the higher the risk of burns.

- **IT IS USER'S RESPONSIBILITY TO:**
 - Properly use Hotronic FootWarmer according to Instructions.
 - Understand his or her own individual sensitivity to heat and susceptibility to burns.
 - Understand his or her own individual early warning sensations of a burn.
 - Remove his or her feet from source of heat before a burn may occur.
- **SOME EARLY WARNING SENSATIONS OF A BURN are:**
 - When any area of your feet becomes hot.
 - When any area of your feet feels like you are standing on a small pebble or pointed object and may or may not feel hot.
 - The colder one's feet are, the sharper the sensation may feel.
 - Early warning sensations of a burn may differ from person to person.
- **IMMEDIATELY UNPLUG** Heating Element from Battery Pack and **IMMEDIATELY REMOVE** your foot from FootWarmer if you feel your foot getting hot, if you think you might be getting a burn, or if you experience any early warning sensations of a burn. Do not reuse FootWarmer until you are certain your foot is no longer at risk of being burned. **SEE A PHYSICIAN IMMEDIATELY** if you think you have a burn.
- **DO NOT USE heat setting 4** for more than two to three minutes at a time. It may become too hot for continuous use and may result in burns.
- **CONSULT WITH YOUR PHYSICIAN** prior to using FootWarmer if you might have any physiological condition or are using any medication or drug which increases skin sensitivity or reduces skin sensation to heat. Such physiological condition or medication increases risk of burns. Some physiological conditions or medications which increase skin sensitivity or reduce skin sensation to heat are calluses on feet, diabetes, cardiovascular problems, nervous system disorders, Raynaud's syndrome, and tetracycline. Other physiological conditions or medications which increase skin sensitivity or reduce skin sensation to heat may exist.
- **DO NOT WAIT** until your feet are cold to turn temperature setting up because cold feet reduce skin's sensation to heat and increase risk of burns.
- **DO NOT USE** damp or wet socks because presence of moisture increases heat transfer and may increase risk of burns.
- **DO NOT USE** Hotronic Heating Element (1) without fabric covering Heating Element or (2) with Heating Element directly exposed on surface of insole.
- **NOT RECOMMENDED FOR USE** by infants, toddlers, children, or individuals incapable of knowing, understanding, or acting upon early warning sensations of a burn.
- **DO NOT USE** while consuming drugs or alcohol because these may increase skin sensitivity, reduce skin sensation to heat, or reduce one's ability to detect early warning sensations of a burn. Such drugs or alcohol may increase risk of burns.
- **DO NOT USE** while sleeping.

- **WATER AROUND ELECTRICAL CONTACTS** may cause Heating Element to become hot at any setting and **MAY RESULT IN BURNS**.
- **WHEN BATTERY PACK LED is ON at SETTING 0**, water may be around electrical contacts, may cause Heating Element to become hot at any setting, and **MAY RESULT IN BURNS**. If you feel your foot getting hot, think you might be getting a burn, or experience any early warning sensations of a burn, **IMMEDIATELY UNPLUG** Heating Element from Battery Pack and **IMMEDIATELY REMOVE** your foot from FootWarmer. Dry out Battery Pack, plug area, and Heating Element plug. Do not use again until Battery Pack LED is OFF at setting 0. Consider Battery Pack LED a water indicator at setting 0. **MAINTAIN CAUTION REGARDING BURNS at all times.**

CAUTION: USE HOTRONIC BRAND COMPONENTS ONLY

- **DO NOT USE** any non-Hotronic branded, look-alike components with the Hotronic FootWarmer as it **MAY BE UNSAFE** and **MAY RESULT IN BURNS**.
- Connecting any Hotronic battery pack or heating element with a non-Hotronic battery pack or heating element **MAY RESULT IN BURNS** at any setting including "0" (off).
- Connecting any Hotronic battery pack or recharger with a non-Hotronic battery pack or recharger **MAY BE UNSAFE**.
- Contact Hotronic directly if you have any question regarding this.

CAUTIONS

- **SETTING 4 HAS INCREASED IN TEMPERATURE** (as of 7/95) and **MAY RESULT IN BURNS**.
- **USE OF FOOTWARMER DOES NOT ASSURE** that freezing or frostbite of foot will not occur. As always, use caution and good judgment when you are in cold temperatures.
- **DO NOT CAUSE ELECTRICAL LEADS** in plug area of Battery Pack to touch as there is **DANGER OF A SHORT CIRCUIT**.
- **DO NOT USE FOOTWARMER IF ANY BATTERY PACK ELECTRICAL LEADS ARE BENT** such that any two leads may contact upon further use. Such contact may cause an increase in temperature output of Heating Element and **MAY RESULT IN BURNS** or such contact may result in a **SHORT CIRCUIT**.
- **DO NOT DAMAGE** Battery Packs by use of undue external force.
- **DO NOT DISPOSE** of Battery Packs by throwing in a fire as there is **DANGER OF EXPLOSION**.
- **DO NOT PUT ANY METAL OBJECTS** into plug area of Battery Packs as there is **DANGER OF A SHORT CIRCUIT**.
- **INSPECT ALL RECHARGER AND HEATING ELEMENT POWER CORDS** for exposed wires prior to plugging into Battery Packs or electrical outlet as exposed wires may result in a **SHORT CIRCUIT**.
- **DO NOT CAUSE UNDUE OR EXCESSIVE WEAR, TEAR, OR ABRASION** to Power Cord as there is **DANGER OF A SHORT CIRCUIT**.
- **DO NOT WRAP RECHARGER OR HEATING ELEMENT POWER CORD AROUND BATTERY PACKS** while plugged into Battery Packs as this may result in a **SHORT CIRCUIT**.
- **DO NOT CUT** Power Cord or Heating Element.
- **DO NOT KINK** Power Cord or Heating Element.
- **DO NOT PLUG RECHARGER PLUG INTO BATTERY PACK BACKWARDS** as there is **DANGER OF A SHORT CIRCUIT**.
- **ATTACH BATTERY PACKS SECURELY** at all times as loss of Battery Pack is **NOT** covered under Manufacturer's Limited Warranty.