

INTRODUCTION

Be it a long day at work, a strain over the weekend or a pain that just won't go away, your sore muscles crave to relax and unwind all the time. But you just don't have the time to fidget with cumbersome and messy solutions. Don't you wish that comfort could be brought to your fingertips?

Its time to experience the most advanced, effortless and instantaneous route to relief - CLIMAWARE™ Contrast Relief System.

Our proprietary patented ClimaCon® technology, allows for immediate application of multi-modal temperature relief - Hot, Cold and Contrast - that is time-honored, trusted and well established.

Just a tap of your finger is enough send icy relief of 38°F or a warm comfort of 140°F to rejuvenate you within seconds. What's more, its intelligent electronics allow automatic application of contrast temperatures at pre-programmed time intervals.

So whether you're in a rush or you're taking a break, you can pamper yourself with its portable comfort, anytime, anywhere.

FREQUENTLY ASKED QUESTIONS:

What are the benefits of different temperatures provided by CLIMAWARE™ Contrast Relief System?

-- **Heat** - Causes local expansion of blood vessels and increases blood circulation to ease tight muscles.

-- **Cold** - Causes local constriction of blood vessels and creates anesthetic relaxation.

-- **Contrast** - Intermittent hot and cold application works with the body's natural defense mechanisms to create a pulsating effect. It encourages better blood circulation and provides prolonged relief.

Note: Temperature may increase or decrease based on changes in ambient temperature

Why does the feeling of hotness/coldness reduce over time?

Our body has an amazing ability to adapt to temperature stimulus. If cold is applied continuously for a few minutes, our skin gets used to it and stops sensing it. Therefore, in our design, after every 3 minutes of continuous cooling we have introduced a gap of 10 seconds after which cooling restores. This time gap is unnoticeable. But it effectively revives the sensitivity of the skin so that you remain conscious of the temperature always.

Why does the system stop after every 20 minutes?

Study of scientific literature suggests that exposure to hot/cold temperatures for more than 20 minutes at a stretch can be detrimental to tissue health. Therefore, we have taken special care in our design so that even if you forget, our device remains vigilant and cuts-off on its own.

What to do if a reduction in cooling performance is noticed?

Simply revive cooling by feeding water on to the top printed surface of CLIMAWARE™ Cryothermic™ Shoulder Wrap (25 ml; approx. half the bottle). This helps heat dissipation to take place more effectively.

Why does the outer portion of CLIMAWARE™ become warm during cold application?

CLIMAWARE™ removes heat from the body in order to realize cooling. This heat is dissipated and thrown out, and causes the outer portion of CLIMAWARE™ to become warm. This is an indication that the cooling is taking place effectively. Some of this heat is stored, and might return to the body during power-off. Therefore, it is advised to always take-off CLIMAWARE™ Shoulder Wrap, from the body prior to disconnecting CLIMAWARE™ Touch Controller and Battery Unit or powering off the product. **Note:** Avoid wearing another layer of clothing over CLIMAWARE™ as it may hamper cooling performance due to reduced heat dissipation.



SAFETY INFORMATION & CAUTIONS

CLIMAWARE™ products are designed with utmost concern for your safety. We strongly recommend that you use CLIMAWARE™ Cryothermic™ Shoulder Wrap, according to this user manual:

--Do not use on a person who is unable to feel pain because of advanced age, diabetes, spinal cord injury, medication, or has skin that is not sensitive to heat, cold or temperature changes.

--Do not use on a sleeping or unconscious person.

--In case of any side-effects, immediately discontinue use, and consult doctor.

--Do not use if wearing electronic health equipment.

--Do not use the product while charging the battery unit.

--Do not wet or submerge the battery unit in water.

--Do not drop, throw, or abuse the battery unit or electronics.

--Do not disassemble, crush, strike, or puncture the battery unit.

--Do not short the external contacts on the battery unit.

--If a battery unit has leaking fluids, do not touch any fluids. Dispose of the leaking battery pack. Discard the battery unit in an approved battery collection container.

--Do not expose the battery unit to high temperatures, open fire, or direct sunlight for long periods.

--Always remove CLIMAWARE™ Cryothermic™ Shoulder Wrap from your body first, before powering - off the product or before disconnecting the Battery Unit from the main body of the Shoulder Wrap.

--The product must be operated only with the CLIMAWARE™ Touch Controller and Battery Unit provided with the product. In case of wearing-out of the battery, the entire unit needs to be replaced, which may be purchased directly from the company/retail outlet. Unauthorized part substitutions may result in fire, electric shock, or other hazards.

--The product contains battery and small parts, and should be kept away from children below 10 years of age. Do not use this product on anyone who cannot operate the temperature controls.

WASHCARE & MAINTENANCE



Always ensure that CLIMAWARE™ Touch Controller and Battery Unit is removed from CLIMAWARE™ Shoulder Wrap prior to washing. Do not put into a microwave oven, washing machine, or dryer.

Four ways of cleaning CLIMAWARE™ Cryothermic™ Shoulder Wrap:

- It is recommended that you use a medium hard brush to remove the lint from the product surface (Dry Clean). If wet cleaning is required you can do any of the following three:

- Wipe clean with wet cloth.

- Spray clean with water.

- CLIMAWARE™ Cryothermic™ Shoulder Wrap can also be cleaned by simply dipping alternatively in water and mild soap solution.



DO NOT WRING

DO NOT TUMBLE DRY

DO NOT IRON

DO NOT BLEACH

HAND WASH ONLY

Keep Dry
STORE IN A COOL DRY PLACE



Always ensure that the product is completely dry before using again after wet-washing.

ClimaCon® - Patented Cryothermic™ Nanotechnology



ClimaCon® is a unique proprietary patented technology that allows user-controllable temperatures between 38°F to 140°F at the touch of a button.

ClimaCon®'s novel heat exchange design allows heat dissipation to happen in a very lightweight and compact manner. This makes the technology exceedingly wearable. ClimaCon® can thus be seamlessly integrated into unique products that are remarkably lightweight, compact and portable.

The patented ClimaCon® technology leads the global technological front on the following counts:

- High rates of heat dissipation
- Controllable cooling/heating to .01°C accuracy
- Ability to rapidly alternate between cooling and heating (within seconds)

Since its inception, ClimaCon® has won several international awards like MIT TR35 'Innovator of the Year', Business World 'Entrepreneur of the year', Lockheed Martin Innovation Growth Program Gold Medal, and many more.

FEATURES AND BENEFITS



Multi-Modal Temperature Relief - Instant Hot, Cold and Contrast to comfort sore and aching body parts



Assured safety & efficacy with carefully calibrated temperature levels (between 38°F to 140°F) and auto cut-off



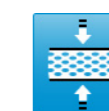
Automatic contrast application: Intelligent electronics alternate between heating/cooling cycles at pre-programmed time-intervals



Judicious use of high-performance materials to combine good insulation with breathability and moisture management. Constructed with anti-odor, bio-compatible and skin-friendly materials



Lightweight (approx. 16.5 oz) and portable



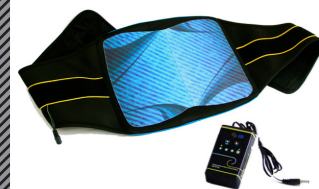
Innovative strap design to maximize wearing comfort and compression



Rechargeable LiPo batteries provide a run-time of up to 4 hours. The batteries can be conveniently detached from the main body of the wrap during washing.

PLEASE TURN OVER FOR PRODUCT USE DEMONSTRATION

Also available:



CLIMAWARE Cryothermic™ BACK WRAP



CLIMAWARE Cryothermic™ KNEE WRAP



Contact Us:

Write to us at: info@dhamainnovations.com
Visit us at: www.dhamainnovations.com
www.climawareonline.com

Call us at : +91 8885550635 / 1-617-395-8378

Address : Dhama Innovations Pvt. Ltd.
Plot No. 311, Road No. 25
Jubilee Hills, Hyderabad: 500033, INDIA

User Manual

CLIMAWARE Cryothermic™ SHOULDER WRAP

dhama INNOVATIONS

BOX CONTENTS



Technical Specifications:

- **Effective Temperature Range** Inside CLIMAWARE™ Cryothermic™ Shoulder Wrap: ~ 38°F to 140°F
- **Response time:** (Heating/Cooling) 2 seconds
- **Lightweight:** ~ 16.5 oz (excluding batteries)
- **Effective Heat Dissipation:** ~ 30W
- **Cooling/Heating Cycle:** Automatic mode for contrast therapy (Alternates between heating/cooling at 4 minutes gap)
- **Battery Type:** Rechargeable Lithium Polymer (LiPo) Battery
- **Voltage:** 7.4 V, 2000 mAh; **Weight:** 2.8 oz
- **Run-time:** Upto 4 hours

HOW TO USE CLIMAWARE™ Cryothermic™ Shoulder Wrap



Step 1: Presenting CLIMAWARE™ Cryothermic™ Shoulder Wrap.



Step 3: Make sure that the sling strap is strapped on one side of the CLIMAWARE™ Shoulder Wrap before putting it on (as shown).

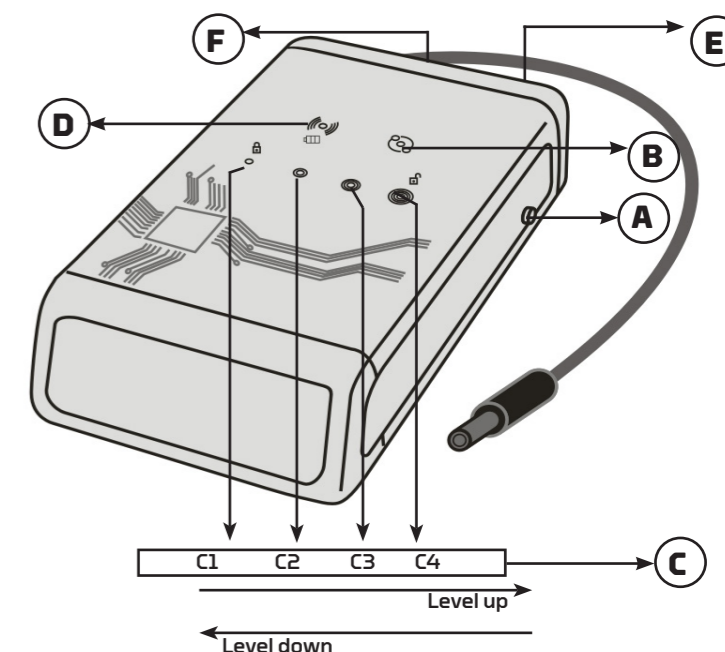


Step 2: For cold and contrast application, you need to moisten the outer surface of the CLIMAWARE™ Shoulder Wrap with the help of especially designed water feeder bottle (25 ml; approx. half the bottle, as shown). Open the nozzle of the bottle, by rotating the top portion of the cap anti-clockwise, in order to pour water, on to the wrap.



Step 4: Place the CLIMAWARE™ Shoulder Wrap on the desired area so that the pre-strapped portion of the sling strap comes on your back side (as shown). Make sure that the cooling/heating points are coming in contact with the area of discomfort.

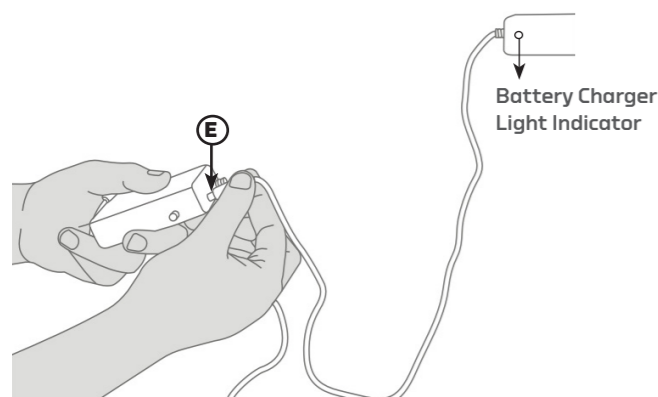
HOW TO USE CLIMAWARE™ Touch Controller



CLIMAWARE™ Touch Controller and Battery Unit

- A Main Switch On/Off Tactile:** Press A to turn-on the system.
- B Heating/Cooling Switch: Indicator Short Beep:** After that, long touch B for heating or cooling. Default setting is cooling. Blue LED indicates cooling. Orange LED indicates heating.
- C Heating/Cooling Levels:** Then, adjust the level of heating or cooling according to comfort and requirement. C has four levels C1, C2, C3 and C4. C1 is the lowest level and C4 is the highest level of heating or cooling. Normal touch is required to select the level. Once, you select the level, the same is indicated by white LEDs.
Lock/Unlock: Indicator Short Beep: A long touch on C1 will lock the system . Once the system is locked, you will not be able to operate any keys. A long touch on C4 will unlock the system . This is an in-built safety feature, similar to mobile phones, to prevent accidental touch pressing of switches.
- D Auto-Mode : Indicator Short Beep:** Auto-Mode automatically toggles between heating and cooling at 4 minutes gap for contrast therapy application. Long touch D to activate this mode. This is indicated by green LED. When in this mode, you can select the heating or cooling level by normal touch of C1 to C4.
Battery Status: Normal touch on D will indicate the battery status. Blinking white LEDs C1 to C4 will indicate the battery status. 4 blinks indicate that the battery is fully charged, 3 blinks indicate that 3/4 charge is left, 2 blinks indicate that half the charge is left and 1 blink indicates that only 1/4 charge is left. On full charge, the battery runs for ~ 3-4 hours.
- E Battery Charging Port:** CLIMAWARE™ Touch Controller and Battery Unit incorporates the battery. For charging the battery, connect the charger provided to E, the charging port. Refer to the section Battery Information & Charging for details.
- F Product Connector Cable:** You need to connect F to the product in order to control the temperature inside CLIMAWARE™ Cryothermic™ Shoulder Wrap. Never connect F (Product Connector Cable) to E (Battery Charging Port). This may result in complete breakdown of the system.

BATTERY INFORMATION & CHARGING



Step 1: Before using CLIMAWARE™ products for the first time, you need to fully charge the battery.

Step 2: Plug in the battery charger to the wall socket and to the E port on CLIMAWARE™ Touch Controller and Battery Unit.

Step 3: Turn-on the wall socket switch to start charging the battery. A red light on the Battery Charger indicates that charging is going on.

Step 4: The Battery Charger light turns green indicating that the battery is fully charged. Once fully charged, connect CLIMAWARE™ Touch Controller and Battery Unit to CLIMAWARE™ Cryothermic™ Shoulder Wrap, in order to power it.



Step 5: Adjust the fit by securing the front strap in place with Velcro (as shown).



Step 6: Secure the sleeve strap in place (as shown).



Step 7: Slide the battery unit into the pocket (as shown in (a)). Then insert the touch controller into the elastic band (as shown in (b)). Plug in the CLIMAWARE™ Touch Controller and Battery Unit to the CLIMAWARE™ Cryothermic™ Shoulder Wrap.



Step 8: Set the required temperature and mode with the help of CLIMAWARE™ Touch Controller and Battery Unit. Please refer to sections Battery Information & Charging and How to Use CLIMAWARE™ Touch Controller.