



# Warmth, Safety, and Smart Control - All in One

**Consort Claudgen's Low Surface Temperature Heaters**

**Consort Equipment Products Limited**

Thornton Industrial Estate, Milford Haven, Pembrokeshire, SA73 2RT  
+44 (0)1646 692172 • [sales@consortepl.com](mailto:sales@consortepl.com)

**2023**

# Introducing Consort LST heaters -

the perfect combination of technology and care. In today's world, heating solutions are about warmth and ensuring safety, especially in environments with vulnerable populations like children and older people.

Low Surface Temperature (LST) heaters radiate warmth and safety without compromising efficiency and convenience. These heaters have a maximum surface temperature of 43°C, which complies with NHS Estates Health Guidance Notes, significantly reducing the risk of burn injuries.

We have incorporated innovative features into our LST heater range, including digital heating control, safety monitoring, and Wi-Fi connectivity, to enhance user experience while maintaining safety.

LST heaters are ideal for schools, nurseries, kindergartens, hospitals, care and retirement homes.

## Quick features



### Diverse Selection

From panel and fan heaters to slimline models and towel rails, we've got you covered.



### Power to Choose

Pick from different kW ratings to match your heating needs.



### Modern Controls at Your Fingertips

**Go Mobile** with the Consort Connect app.

**Plan Ahead** with the Electronic 7-day timer.

**Stay Wireless** with options like SL run-back timers, advanced controllers (CRXSL, HRXSL, LC), multizone, and landlord controllers.



### Design Integration

BIM objects for our heaters are ready for download on our website. Look out for the NBS logo tagged with our heaters.



### Trust in Us

Enjoy peace of mind with our 1-year warranty.

## Uncompromised Safety

Our heaters follow NHS guidelines, ensuring no touchable surface exceeds 43°C in a 21°C room. You're always in safe hands.

## Safety Monitoring

Diagnoses heater issues and switches off heating when a fault is detected, reducing burn risks. This feature is available for PLSTi and CN2MLSTiE heaters.

## Eco-Friendly Heating

Advanced heating controls offer exceptional energy-saving features, like the open window detection, which turns off the heat when a window is opened and resumes once it's closed. This feature is fully automated but adjustable in settings. This feature is available for advanced single-zone controllers and electronic 7-day timer heaters.

## Intelligent Fan Control

Our PLSTiE and CN2MLSTiE models use the latest in low-energy EC motors. They adjust fan speed and heat output for quick comfort, all the while maintaining a very low noise level.

## User-Friendly Experience

Enjoy visual and tactile feedback. An electronic lock ensures settings remain tamper-free. And with advanced heating controllers, pre-set programs make operation a breeze.

## WiFi-enabled Heaters (WiFi & MWIFI models)

- PLSTiE-WIFI panel fan heaters
- LSTE-WIFI panel heaters
- LSTE-MWIFI panel heaters (with occupancy sensors)

These heaters connect directly to WiFi and can be controlled from the heater or Consort Connect app which provides complete control remotely. The LSTE-MWIFI heater has the same features as an LSTE-WIFI heater, plus occupancy sensor and self-learning control ability utilising occupancy and temperature sensors.

### Rating Options

- Ratings range from 0.5kW to 1.5kW.

### Heating Control

Digital control panel on the heater or Consort Connect app on smartphones or tablets.

### Safety and Reliability

- Automatic safety cut-out across all models.
- PLSTiE-WIFI has added layer of continuous safety monitoring.
- Splash proof to IP24 standard.

### Smart Operation & Comfort

- PLSTiE-WIFI incorporates **intelligent fan control\*** and EC motor for optimal energy efficiency.
- Open window tracking and response capability.
- Maintains room temperature within a 0.7-degree range.
- Flexible 7-day timer and operating modes, including comfort settings and frost protection.
- Ability to view energy consumption statistics.
- Quiet operation.

### Sensors

- LSTE-MWIFI has in-built occupancy sensor and self-learning control ability utilising occupancy and temperature sensors.

### Sleek Design & Durability

- Slimline, clean design finished in white.
- Strengthened grilles for PLSTiE-WIFI.

### User-Friendly Interface & Security

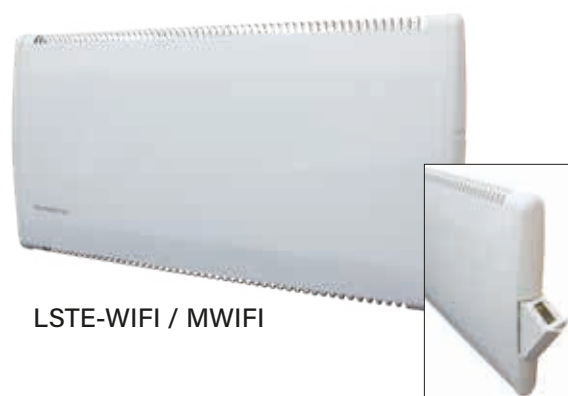
- Intuitive control panel with lock functions for secure settings.
- **Additional locking kit (PLK1) available.**

### Installation & Extras

- Simple wall-mounting system with a pre-installed 1.1m supply cable.



PLSTiE-WIFI



LSTE-WIFI / MWIFI



NBS : BIM objects available for download

Model No.	kW	H x D x W (mm)	Weight (kg)
LST500EWIFI	0.5	430 x 93 x 832	6.3
LST800EWIFI	0.8	430 x 93 x 1195	8.7

Model No.	kW	H x D x W (mm)	Weight (kg)
PLSTi050EWIFI	0.5	430 x 93 x 506	4.5
PLSTi075EWIFI	0.75	430 x 93 x 506	4.5
PLSTi100EWIFI	1	430 x 93 x 640	6.0
PLSTi150EWIFI	1.5	430 x 93 x 892	8.0

Model No.	kW	H x D x W (mm)	Weight (kg)
LST500EMWIFI	0.5	430 x 93 x 832	6.3
LST800EMWIFI	0.8	430 x 93 x 1195	8.7

\* Intelligent fan control: The heater's fan speed intelligently adapts to the room's temperature, ensuring a warm airflow from the start and eliminating cold blasts in chilly conditions.



## Get Connected and Start Saving

Manage Consort heaters with ease using the Consort Connect app. It is user-friendly and offers complete heating control remotely from your smartphone or tablet over Wi-Fi enabled heaters.

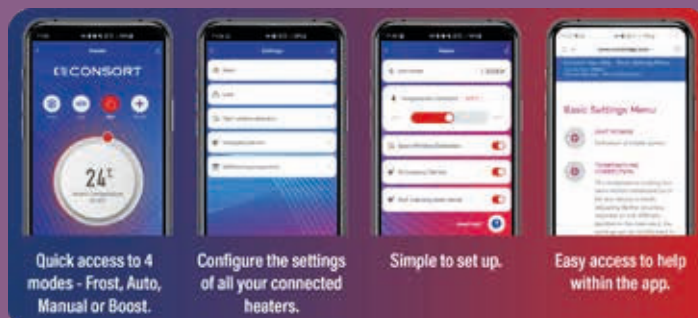
### Consort Connect App Overview

- App is free and available for download on Google Play and Apple Store.
- Controls Consort's Wi-Fi enabled heaters and SL heaters connected to an SLPBWIFI wireless controller.
- Easy to set up with a user-friendly interface.



### Operational Features

- Quick access to four distinct operating modes.
- Integrated 7-day timer allows for up to twenty-four heating periods daily.
- Configure and adjust the settings of all connected heaters conveniently from the app.
- Self-learning control ability utilises occupancy and temperature sensors (available for 'MWIFI' heaters and SLPBWIFI only).



### Advanced Controls & Insights

- Open window tracking and response capability for efficient energy use.
- Create custom automations tailored to specific needs.
- Get insights on energy consumption through detailed statistics.

### Safety & Security

- Ensure settings security with the in-app lock function.

### Self-learning control ability

The system detects occupancy using sensors and creates a heating schedule based on the user's patterns. It conserves energy by switching to a lower temperature when the room is empty.

## Heaters with Electronic 7-day Timer

- PLSTiE
- LSTE
- CN2MLSTiE

Stylish, modern and practical, the electronic 7-day timer heaters offer intuitive and efficient heating controls including an optional open window detection feature.

### Performance

- 6 heating periods per day, 7 days a week.
- 4 Operating modes: Programme, Boost, Setback & Manual.
- 15-minutes Boost feature.

### Safety & Reliability

- Automatic safety cut-out.
- Safety monitoring feature for PLSTiE and CN2MLSTiE.
- Mesh grille for CN2MLSTiE to prevent the ingress of small objects.

PLSTiE



## Security & Design

- Electronic lock.
- Optional control panel locking kit (PLK1) for PLSTiE and LSTE.

## Operational Features

- Open window detection.
- PLSTiE and CN2MLSTiE incorporate **intelligent fan control\*** and EC motor for optimal energy efficiency.
- Splash proof to IP24 for PLSTiE and LSTE.
- Quiet operation.

## Installation & Mounting

- Hinged wall mounting system on PLSTiE and LSTE for hassle-free installation and cleaning.

LSTE



CN2MLSTiE



**NBS** : BIM objects available for download

Note: dBA readings are taken at ambient temperature of 20°C.

Model No.	kW	H x D x W (mm)	Weight (kg)	dBA
PLSTi050E	0.5	430 x 93 x 506	4.5	30
PLSTi075E	0.75	430 x 93 x 506	4.5	30
PLSTi100E	1	430 x 93 x 640	6.0	31
PLSTi150E	1.5	430 x 93 x 892	8.0	33
PLSTi150SSE**	1.5	430 x 93 x 892	8.0	33

Model No.	kW	H x D x W (mm)	Weight (kg)
LST500E	0.5	430 x 93 x 832	6.3
LST800E	0.8	430 x 93 x 1195	8.7

Model No.	kW	H x D x W (mm)	Weight (kg)	dBA
CN2MLSTiE	2	360 x 143 x 750	8.0	35

\* Intelligent fan control: The heater's fan speed intelligently adapts to the room's temperature, ensuring a warm airflow from the start and eliminating cold blasts in chilly conditions.

\*\* 'SS' denotes stainless steel finish.

## Electronic 7-Day Timers: Precision Heating & Comfort

The digital control panel offers a programmable 7-day timer with 6 heating periods per day. It is easy to operate and can set comfort and setback temperatures which help reduce the overall energy consumption.

### Digital Control and User Interface

- Timer battery backup.
- Standby button.
- Easy-to-read display with four large, tactile-feedback control buttons.
- Can set temperatures in either degrees Celsius or Fahrenheit.
- Maintains temperature within 0.7 degrees.
- Electronic lock on the control panel prevents unauthorised adjustments.



### Programmable Settings

- Offers a programmable 7-day timer with 6 heating periods per day.
- Each heating period can be set with different temperature setting.
- Use the copy day function to easily duplicate programs across multiple days.

### Temperature Customisation

- Comfort heat settings ranging from 15°C to 35°C.
- Setback temperatures for frost protection or maintaining minimal warmth, adjustable between 4°C to 15°C.

## Operating Modes

- Four modes available: Programme, Boost, Setback, and Manual.
- 15-minute Boost feature for quick warmth.

## Open window detection

Responds quickly to sudden changes in temperature within the room or area. If a window or door is opened, the heater will detect the drop in temperature and automatically turn off to conserve energy. Once the window or door is closed, the heater will sense the rise in temperature and turn on to resume normal operation.

Once enabled in the setup menu, the open window detection is fully automatic and does not require any human intervention to be activated. Detection time and settings are fully adjustable in the setup menu.



## Wireless Controlled Heaters

- **PLSTi SL**
- **CSL LST / MLST**

Our wireless controlled heaters are compatible with Consort's SL and advanced wireless controllers that offer efficient and convenient control, allowing users to customise and optimise heating cycles to their specific needs.

### Rating Options

- PLSTi SL: Available in 0.5kW, 0.75kW, 1kW, or 1.5kW ratings.
- CSL LST/MLST: Options of 1kW or 2kW.

### Compatibility & Control

- PLSTi SL and CSL LST/MLST heaters are compatible with all wireless controllers.

### Safety & Reliability

- Safety monitoring feature available for PLSTi SL.
- Automatic safety cut-out for both models.
- Mesh grille for CSL MLST to prevent the ingress of small objects.
- Splash proof to IP24 for PLSTi SL.

### Design

- Slimline and clean design for PLSTi SL.
- Both models finished in white.

### Operational Features

- PLSTi SL incorporates intelligent fan control\* and EC motor for optimal energy efficiency.
- Quiet operation.

### Installation & Mounting

- Hinged wall mounting system on PLSTi SL for hassle-free installation and cleaning.

PLSTi SL



CSL LST



CSL MLST with mesh grille



NBS : BIM objects available for download

\* Intelligent fan control: The heater's fan speed intelligently adapts to the room's temperature, ensuring a warm airflow from the start and eliminating cold blasts in chilly conditions.

Model No.	kW	H x D x W (mm)	Weight (kg)
PLSTi050SL	0.5	430 x 96 x 506	4.5
PLSTi075SL	0.75	430 x 96 x 506	4.5
PLSTi100SL	1	430 x 96 x 640	6.0
PLSTi150SL	1.5	430 x 96 x 892	8.0

Model No.	kW	H x D x W (mm)	Weight (kg)	dBA
CSL1LST	1	360 x 130 x 590	5.5	35
CSL2LST	2	360 x 143 x 750	8.0	40
CSL1MLST	1	360 x 130 x 590	5.5	35
CSL2MLST	2	360 x 143 x 750	8.0	40

## Wireless Controllers: Efficiency at Your Fingertips

Our diverse range of wireless controllers are designed to control heating more efficiently and improve energy and cost savings.

### SL controllers

The SL controllers are easy to install and set up. With a run-back timer function, these controllers ensure that heating cycles are only activated when necessary, with the heating period remaining active until the timer expires.

- Compatible with SL heaters only.
- Various choice of time periods.
- Includes comfort and setback temperature settings.

### Advanced controllers

The CRXSL, HRXSL, and LC controllers are compatible with RX and SL heaters and can control multiple heaters in an area or room.

- 6 heat settings per day, 7 days a week.
- Includes comfort and setback temperature settings.
- The LC controller can only be used in conjunction with the MLC master landlord controller which provides the programming and energy saving features.

### Multizone control

- MRX1 can control up to 8 heating zones.
- Compatible with CRXSL and electronic 7-day timer heaters with an RF receiver.
- Allows individual or group zone programming.

### Landlord control

- MLC is ideal for anywhere where a central control unit is required to control the temperature of all heaters in a building or rooms.
- Sets the same 7-day programme and time for all LC controllers.
- Controls any number of LC controllers depending on the building construction.

### SL CONTROLLERS



SLPB: Run-back timer and thermostat



SLVT: Run-back timer and adjustable thermostat



SLVTB: Battery-powered run-back timer and adjustable thermostat

- Powered by 2 'AAA' 1.5V batteries



SLPIR: Motion activated run-back timer

### ADVANCED CONTROLLERS



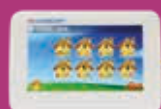
CRXSL wireless controller



HRXSL: Handheld controller



LC: Landlord controller



MRX1: Multizone controller



MLC: Master landlord controller

## Free Standing Heaters and Towel Rails

### ▪ CN1MLSTFS

This free standing 1kW fan heater is ideal for emergency stand-in heater for nurseries, hospitals and retirement homes. It is quiet in operation and provides high level of safety and controllability.

- 1kW rating with on/off switch.
- Fan only setting for air circulation.
- Variable thermostat with frost protection setting.
- Free standing with feet supplied.
- Tilt switch turns the heater off if it is knocked over.
- Quiet operation.
- Screw lockable control access panel.
- Mesh grille to prevent the ingress of small objects.
- Automatic safety cut-out.
- Fitted cable with plug.
- Finished in white.



Model No.	kW	H x D x W (mm)	Weight (kg)	dBA
CN1MLSTFS	1	420 x 160 x 590	5.5	35

### ▪ TRF30

Our towel rails delivery the luxury of warm, dry towels - all day, every day - economically and safely. They are ideal for bathroom, kitchen and laundries.

- 30W rating.
- Adjustable wall brackets.
- Very economical to run.
- Fitted with 1m of supply cable.
- Double Insulated Class II appliance, which eliminates the need for supplementary bonding.
- IP24 rated.
- Finished in white.



Model No.	kW	H x D x W (mm)	Weight (kg)
TRF30	0.030	425 x 86 x 465	1.5

## Heating Schemes

At Consort, our dedicated Technical team look forward to provide you invaluable technical support and advice with your heating and air purification requirements. The team will carry out heat loss calculations and recommend heaters most suitable for your project needs.

To take advantage of our free advisory service with installation design, email our Technical Support at [technical@consortepi.com](mailto:technical@consortepi.com). Please submit drawings, if possible, to further illustrate your project requirement.

**Our Heat Brochure 2023 has the latest information about our heaters and heating controllers.**

To view or download, go to [www.consor-tepl.com](http://www.consor-tepl.com)

For any enquiries about our products, you can contact Sales at 01646 692172 or email: [sales@consor-tepl.com](mailto:sales@consor-tepl.com)

