

# ECOMBI

*“The future in storage heating is already present”*

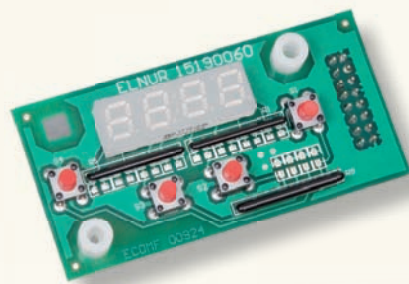
The ECOMBI concept developed by **ELNUR** is a real revolution among the existing solutions in high – efficiency and low consumption heating.

Its intelligent energy management allows ECOMBI to be the perfect solution to provide efficient, controllable heat exactly when and where it is required.

By offering heat from two totally controlled and optimized sources to reduce the electric consumption expenses, this is off-peak on one side and also applying the highest technology in managing direct-acting electric heat on the other, ECOMBI provides the most cost effective source of heating in the market.

The different functions and options offered by ECOMBI, makes this solution in the most flexible and definitive choice in the world of the electric heating.

Besides this ECOMBI has been designed also to minimize the installation work, avoiding the double work and making a quick and easy final fit assembly.



The central core of ECOMBI is its Smart Input Charge Control (ESICC), created by **ELNUR**, that monitors the energy necessary to maintain one area at the desired temperature, being able to modify, depending on the needs, the parameters of heat storage in order to balance the heating requirements and save electric consumption.



# ECOMBI



The secret of ECOMBI is its intelligent use of energy, its flexibility ensuring requested heat through the day, while keeping running costs low.

ECOMBI achieves this by providing heat from two separate and fully automatically controlled sources:

- By taking energy from low cost electricity tariffs (off peak, night tariffs), and then radiating heat throughout the day to provide heat input in to the room.
- In order to adjust the electricity consumption during the off peak time and also to adapt the device performance to any possible quick change in the room temperature, ECOMBI will activate a supplement convector element fitted in the front panel.

Therefore, ECOMBI combines storage heating and direct heating high efficiency technology in energy consumption:

- Charging hours can be fully programmable daily and weekly, even if there are more than one charging period during the same day.
- Room temperature can be adjusted in a very accurate way to the user needs.

How ECOMBI works:

Once the desired temperature is set up in the room and the heat storage parameters are decided, if real temperature decreases due to a sudden change in the weather or due to a wrong energy storage parameters introduction then, in this case convector will activate in order to compensate any heat lost in the room.

When this happens, ECOMBI will correct automatically the storage parameters in order to minimize the convector use.

These energy storage parameters and ambient temperature auto-management allow to provide a better comfort in house and decrease the electric consumption.

ECOMBI also offers other working modes and functionalities depending on user requirements:

- Storage Heater.
- Combinated Storage Heater.
- Convector.
- Frost-protection.





ECOMBI display is very intuitive. You just have to set up the desired temperature and the ECOMBI central core will help you to set up the rest of the parameters. It will manage the storage energy and the convector performance.

**Technical Features:**

- Silent performance.
- Temperature sensor with calibration option.
- Overheating protection at storage heating.
- Safety thermostat with manual reset.
- Convector heating element made of Aluminium.
- Storage heating elements made of stainless steel.
- Microtherm G 12mm insulation, vermiculite and ecological fibre.
- Front, side and rear air cameras.
- Storage core made of a specially designed material for ECOMBI.
- Steel structure powder coated in epoxy RAL 9010.
- Robust plastic fittings.
- Very intuitive easy-to-clean keyboard with lock option.
- Compatible with two-period off peak electric tariffs.
- Daily and weekly programming.
- Deferred storage energy option.
- Automatic Storage Heater, Combined Storage Heater, Convector and Frost-protection operations mode can be set up.
- Compatible with Delta 60 Storage Energy Manager available as accessory.



|  | ECO158        | ECO208        | ECO308        | ECO408        |
|--|---------------|---------------|---------------|---------------|
| Length (cm)  | 55            | 66            | 89            | 111           |
| Height (cm)  | 73            | 73            | 73            | 73            |
| Depth (cm)   | 18            | 18            | 18            | 18            |
| Weight (kg)  | 59            | 77            | 112           | 147           |
| Convector input (W)*                                   | 450           | 600           | 900           | 1200          |
| Storage heater input (W)                               | 975           | 1300          | 1950          | 2600          |
| Voltage (V~)   | 220-240       | 220-240       | 220-240       | 220-240       |
| Insulation   | Class I       | Class I       | Class I       | Class I       |
| Num. of blocks (unit weight 8 kg)                      | -             | 8             | 12            | 16            |
| Num. of blocks (unit weight 12 kg)                     | 4             | -             | -             | -             |
| Total storage 8h (kWh)                                 | 7.8           | 10.4          | 15.6          | 20.8          |
| Units per pallet:<br>- 1200x800 mm.<br>- 1200x1000 mm. | 20            | 10            | 10            | 8             |
| EAN 13   | 8432336108402 | 8432336108501 | 8432336108600 | 8432336108709 |

\*Storage heater and convector never work at the same time. For connection purposes, only Storage Heater input will be considered.

