

EURO ICC
Your energy efficiency partner

EST
Product Family

SMART THERMOSTATS

FOR ELECTRIC WATER HEATERS

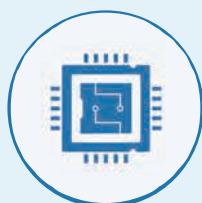


The solution for smart, energy efficient
and connected water heaters

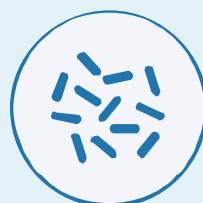
SAFETY



Independent mechanical safety mechanism



Self-detection of errors



Anti- Legionella function



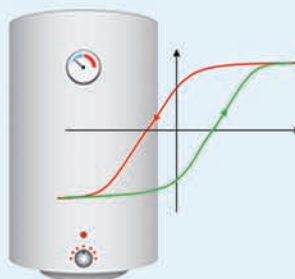
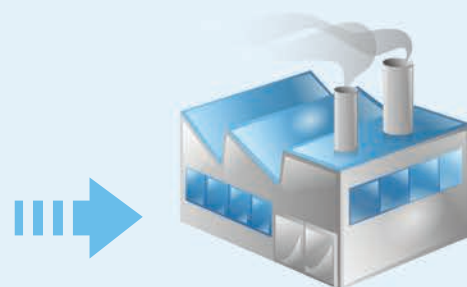
Freeze protection function

EVERY UNIT IS COMPREHENSIVELY TESTED

ENERGY EFFICIENCY



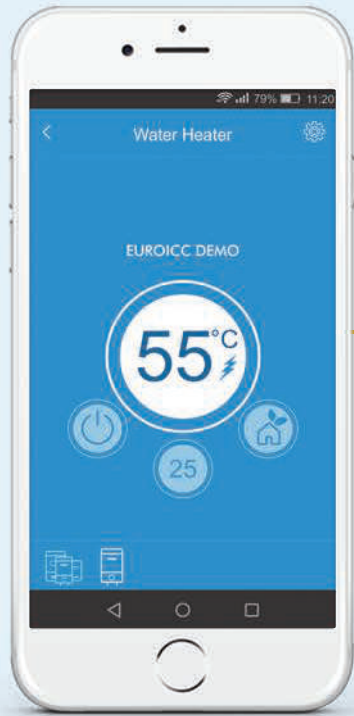
- September 2018, XXL Water Heaters
- September 2017, 80l Water Heaters
- September 2015, 80l Water Heaters



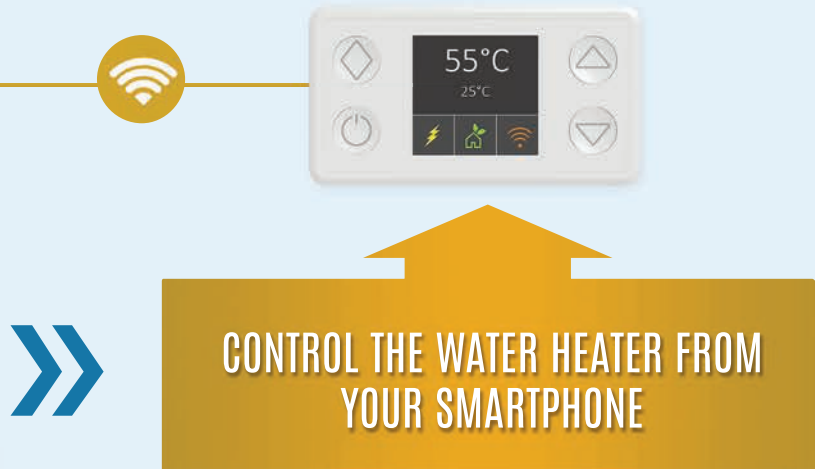
- Electronic temperature measurement with two temperature sensors
- Energy saving is enabled by Smart, Eco, Timer, and Travel modes
- In line and according to the EU Regulations 811/2013, 812/2013, 813/2013, and 814/2013, implementing Directives 2009/125/EC and 2010/30/EU

IMPROVED ACCURACY AND ENERGY EFFICIENCY

CONNECTIVITY

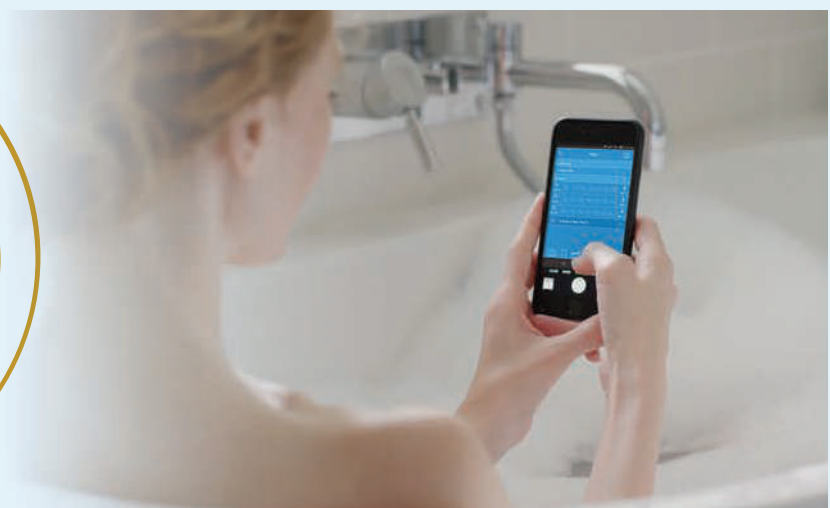


- Wi-Fi and internet connection
- Remote control from any location
- Intuitive and easy-to-use Android and iOS apps
- Water Heater becomes a Smart Home appliance
- Internet of Things experience and benefits

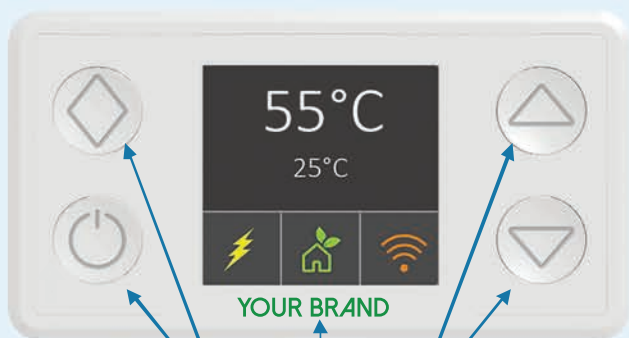


END-USER COMFORT

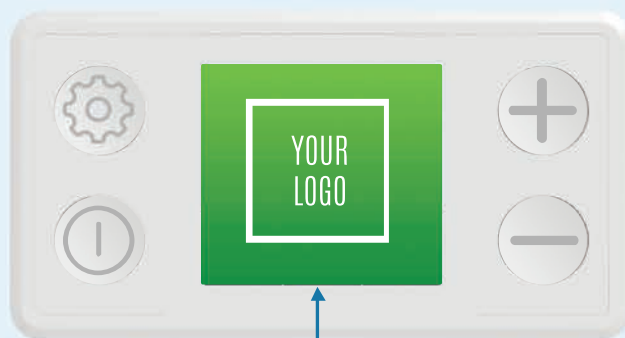
- Self-learning and adaptable smart function provides hot water according to consumer needs
- LCD display and digital control with user-friendly interface
- Remote control via intuitive Android and iOS mobile apps
- Five selectable operating modes: Manual, Eco, Smart, Timer, Travel
- Two background operating functions: Anti-Legionella and Freeze protection
- Display of notifications, warnings and errors in system functioning



OEM BRANDING AND CUSTOMIZATION



CUSTOMIZABLE PRINT

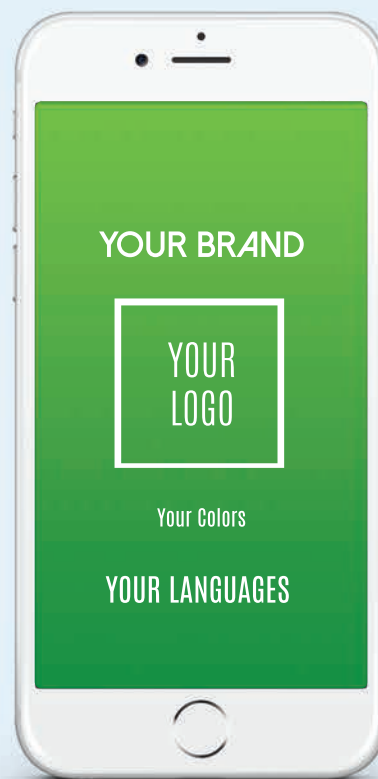


COLOR GRAPHICS

- Customizable UV print of the buttons and display plastics
- Customizable "Greetings Screen", presented when the water heater is turned on



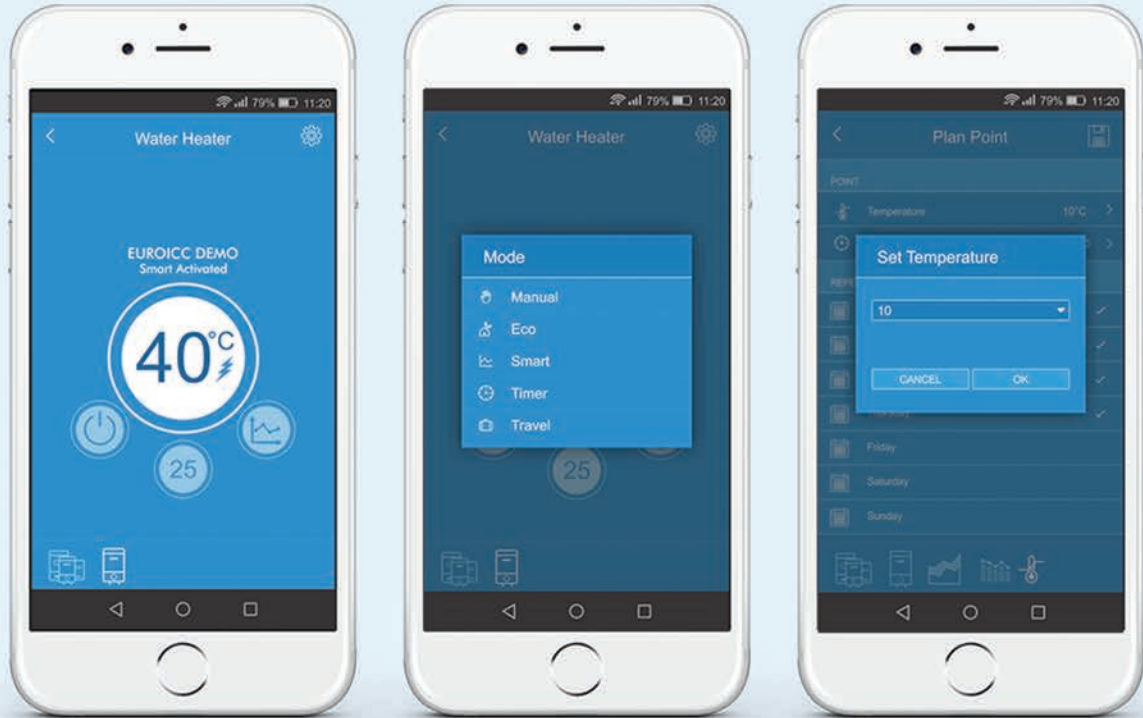
STAND OUT FROM THE COMPETITION AND INCREASE YOUR BRAND AWARENESS



- Mobile apps provide a unique water heater user experience and add a new dimension of comfort
- Customizable "Greetings Screen" and mobile apps colors
- Language localization: almost unlimited number of supported languages

OPERATING MODES

Users can choose between 5 selectable operating modes: Manual, Eco, Smart, Timer, Travel



MANUAL MODE



This mode allows you to manually set the desired water temperature, in the range between 15°C and 75°C.

ECO MODE



In Eco mode, the water temperature is automatically set at 55°C. This temperature level is optimal for long-term overall water heater operation.

SMART MODE



The smart function enables the water heater to learn shower habits and to adjust water heating to its user's needs.

TIMER MODE



Timer mode provides water heater programming. The water temperature can be set hourly, daily and weekly and saved as a personalized shower plan.

TRAVEL MODE



In this mode water temperature is automatically set to 10°C in order to prevent unnecessary energy consumption while users are being absent.

5 SELECTABLE AND 2 BACKGROUND OPERATING MODES WILL SATISFY EVEN THE MOST DEMANDING USER

EST-100

EST-100 is a smart thermostat for water temperature control in storage water heaters. It is a rod-type thermostat and can easily replace mechanical rod thermostats. It has an independent mechanical safety system protecting the water heater from overheating.

Device has two elements: electro-mechanical part for executive and measuring function, and electronic part for controlling function, connected by a quick fast-on cable.

Color 1.44" display keeps users informed at all times, and four buttons on front panel enable them to control the device. EST-100 has Wi-Fi module built in, making it possible for users to connect to the internet and control the device no matter how far away from home they are.



EST-100

Single pole stem/rod smart electronic thermostat with LCD display and Wi-Fi connection

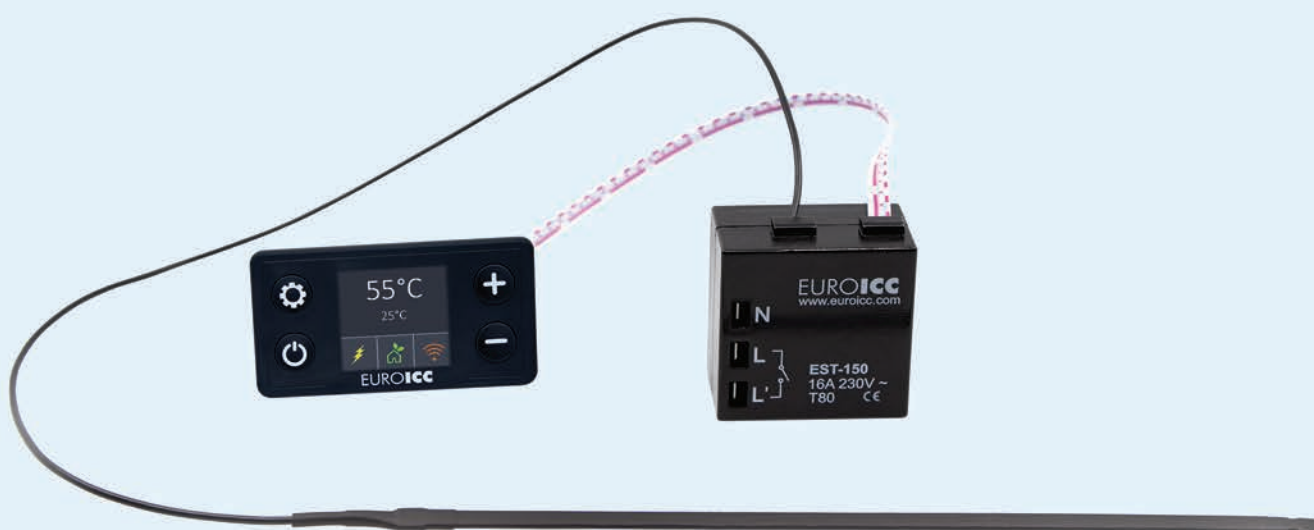
Thermostat type	Single-phase stem/rod electronic thermostat
Rated Current/Voltage	16A / 230V ~
Safety cut-out	Bipolar with bimetallic disc
Functional cut-off	Unipolar
Safety reset	Manual
Max functional temperature/Accuracy	75°C / $\pm 2^\circ\text{C}$
Bimetallic disc reaction temperature	$65 \pm 3^\circ\text{C}$ / custom solutions available
Temperature selection range	From 15°C to Max
Thermal hysteresis	4°C / custom solutions available
Standard stem length	270mm
Electrical connection	Quick faston connection 6.3x1.0mm
Display	TFT LCD 1.44"
Display panel IP Class	IPX4
Operation Settings	With HMI and mobile APP
Wi-Fi protocol	IEEE 802.11 b/g/n
Approvals	Conformity CE; IEC 60730-2-9:2015+A1:2018; IEC 60730-1:2013+A1:2015

EST-150

EST-150 is a smart thermostat with flexible probe for water temperature control in storage water heaters. It is a capillary-type and intended for use where capillary thermostats are usually used. It doesn't have an independent mechanical safety mechanism for overheating protection. Therefore it is necessary to add a protective thermostat along with EST-150.

It consists of two elements: electro-mechanical part for executive and measuring function, and electronic part for controlling function, connected by a quick fast-on cable.

Color 1.44" display keeps users informed at all times, and four buttons on front panel enable them to control the device. EST-150 has Wi-Fi module built in, making it possible for users to connect to the internet and control the device no matter how far away from home they are.



EST-150

Single-phase electronic thermostat with flexible probe, LCD display and Wi-Fi connection

Thermostat type	Single-phase electronic thermostat with flexible probe
Rated Current/Voltage	16A / 230V ~
Safety cut-out	External safety thermostat
Functional cut-off	Unipolar
Max functional temperature/Accuracy	75°C / $\pm 2^\circ\text{C}$
Temperature selection range	From 15°C to Max
Thermal hysteresis	4°C / custom solutions available
The standard length of the probe's cable	500mm
Electrical connection	Quick faston connection
Display	TFT LCD 1.44"
Display panel IP Class	IPX4
Operation Settings	With HMI and mobile APP
Wi-Fi protocol	IEEE 802.11 b/g/n
Approvals	Conformity CE; IEC 60730-2-9:2015+A1:2018; IEC 60730-1:2013+A1:2015

QUALITY AND MANUFACTURING

- EUROICC is an ISO 9001:2015 certified company
- Our smart thermostat solutions have CE marking and declaration of conformity
- We have the flexible manufacturing and supply chain process

EN ISO 9001:2015



**NO MINIMUM
ORDER
QUANTITY**

ADDITIONAL BENEFITS

TEST LABORATORY

Our skilled R&D team is equipped with in-house test laboratory.

We can help water heater manufacturers in:

- innovation process
- product development
- energy efficiency testing

DEVELOPMENT AND MODIFICATION

As OEM partner, we can provide you with:

- hardware and software modification
- unique and branded user interface
- completely customized product to your needs and specifications



**20 YEARS OF EXPERIENCE IN DEVELOPING AND MANUFACTURING
HIGH-TECH ELECTRONICS**

CONTACT US

EUROICC d.o.o.
Trscanska 21, 11080 Belgrade,
Serbia

Mobile: +381 63 65 77 57
Tel/fax: +381 11 371 36 65



MADE IN SERBIA

FOLLOW US

@euroicc



E-mail: info@euroicc.com
Web: www.euroicc.com