



BALÇIK ISI ELEMANLARI
SANAYİ TİCARET ANONİM ŞİRKETİ



HYBRID THERMOSTATS FOR WATER HEATERS

Traditional safety - modern functionality



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55 years of experience in security functions and 20 years of experience in automation business combined into a safe, functional and modern solution.

Consisting of the electromechanical rod-type model and an electronic programmable board, our thermostat for electric water heaters and boilers is a reliable mechanical and advanced electronic solution.



Safe – Mechanical safety is the highest priority when it comes to water heaters. That is why we can guarantee it with our long-time experience and number of products sold.



Green – New European regulations, being implemented September 2015 will make energy efficiency mandatory for all water heaters sold in Europe. Our hybrid thermostat responds to energy saving requirements.



Smart – as a smart device, it brings major energy savings, as well as comfort for users.



Functional – Modern electronic board allows integrating standard thermostat functions with variety of functions customizable upon customers' demand.

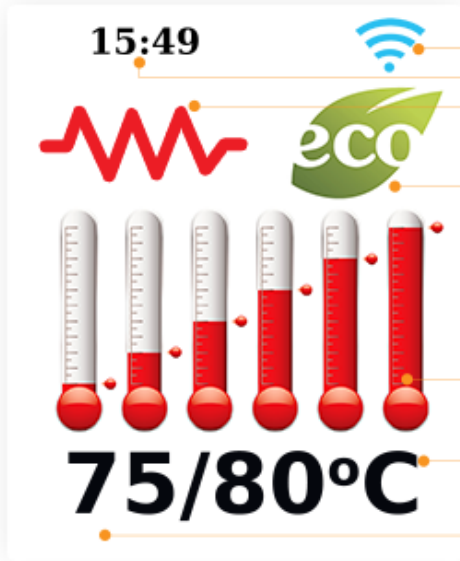
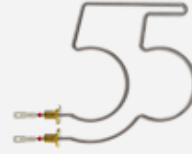


User friendly – compact, easily connected and installed and simple to use.



Connection – can be connected into home automation system and function as its part.





Signal

Time

Heater on

Mode

Water temperature level

Set temperature

Measured temperature

Eco mode

Manual mode

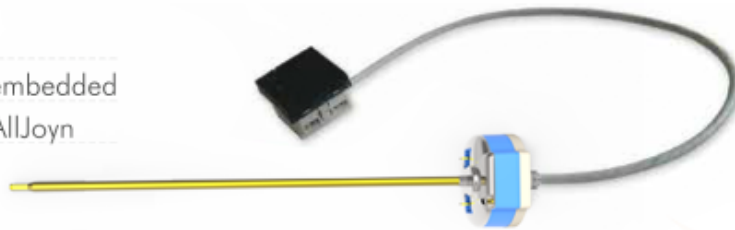
Vacation mode

Program mode

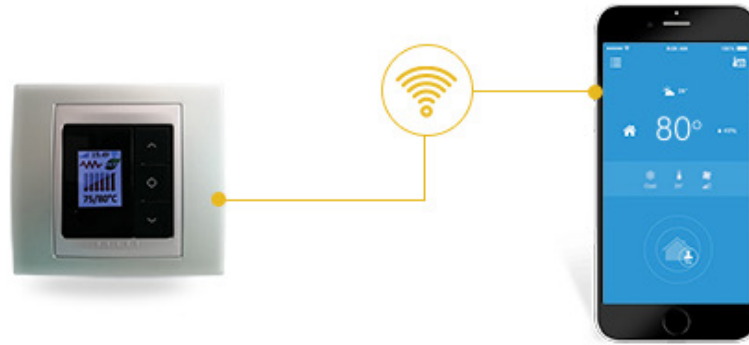
Thermostat type	Single pole stem/rod/combined Pt 100 and mechatronic thermostat
Functional cut-off	Unipolar/ 16A; 120-240 VAC
Safety cut-out	Bi-polar patented safety device acting on the stem
Safety reset	Manual
Max. temperature set	T 75°C
Temperature selection range	From 10°C to Max
Max primary temperature	According to customer specification (max. 85°C)
Max safety temperature	According to customer specification (max. 120°C)
Heater hysteresis	8°C +/- 3
Stem length – 280 mm	280 mm
Electrical connection	Quick fast-on connection 6,3x1,0 mm
External regulation	Available mechanical or with HMI
HMI connection	RJ12 with cable
HMI cable length	According to customer specification (30 cm standard)
HMI type	TFT 1.44", more options available soon

Software

OS	COS, real-time, embedded
Communication	WiFi, BACnet/IP, AllJoyn



Direct Connection



Local Wi-Fi Connection

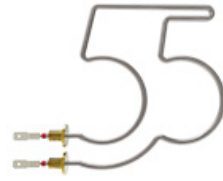


Connection Over the Internet





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