

CONTROLS FOR OVENS

 **eika**
It works, *it's eika*

THE ENGINE AND BRAIN OF YOUR OVEN



COMPETITIVE SOLUTIONS IN QUALITY, SERVICE AND COST

Since 1973 Eika has worked on the development of electrical components for the cooking sector. We are an internationally renowned company, a benchmark in our field and part of the Mondragon Corporation.

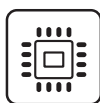
We are committed to offer competitive solutions tailored to our customers' needs, developed in close collaboration with them. We offer our products with a consistent quality at a reasonable cost and great service. We are efficient and effective in service and pricing.

CUSTOMERS ALL OVER THE WORLD

Eika is one of the world's leading manufacturers of components for domestic appliances.



**RADIANT
HEATERS**



**ELECTRONIC
CONTROLS**



**TUBULAR HEATING
ELEMENTS**



**ELECTRIC
THERMOSTATS**



EKNOB, THE PLUG & PLAY ELECTRONIC THERMOSTAT



eknob is a basic electronic device designed to control the temperature in the oven. It helps to meet the new energy efficiency standards, while keeping the simplicity of a classic electro-mechanical knob.

The device is able to read the cooking function selection and use the most accurate temperature regulation algorithm in each case.

Eika, the electric cooking solutions specialist for more than 40 years.

TECHNICAL CHARACTERISTICS

- Product lifetime: 10 years
- Mains supply: 208 to 240 Vac, 50/60 Hz
- Power connections with standard faston tabs of 6.3x0.8 mm
- Standby consumption: 0 W (commutator)
- 105°C compliant, 90% RH
- Temperature regulation: probe input (NTC or PT)
- Relay output: 1x 16A
- Relay lifetime: 100,000 cycles
- Communication with power board (or other devices) available
- RoHS compliant
- Normative: EN 60730-1, EN 60730-2-9, EN 60335-1, EN 60335-2-6
- VDE certified



Improve easily
your oven
EE label.



Quick and cost
saving
solution.



Same fixing of a
traditional
electro-mechanical
thermostat.



No need to
change the oven
front panel
design at all.

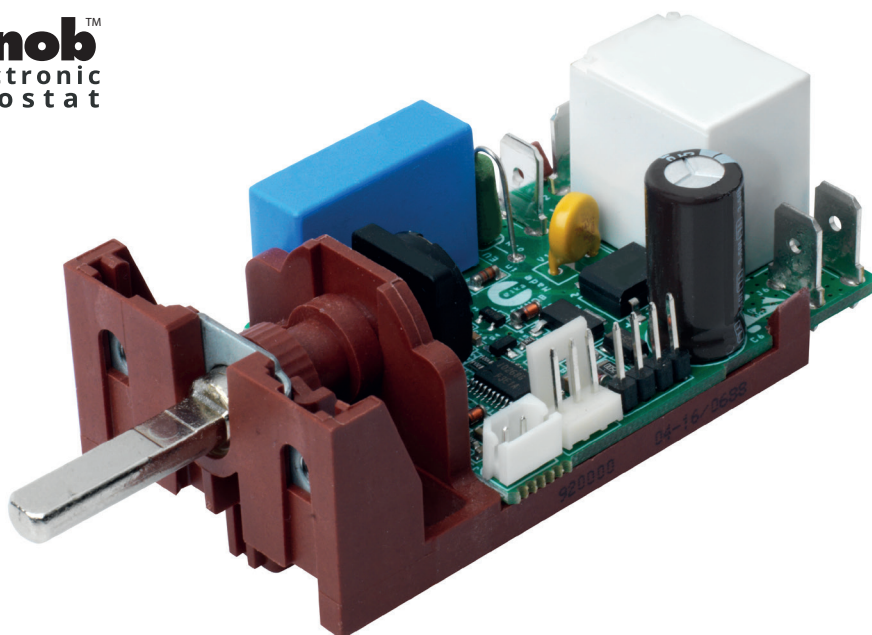


Accurate
control thanks
to its **dedicated**
software.



Also valid for
control tempe-
rature in **water**
boilers.

 **eknob**TM
eco electronic
thermostat



Based on a bulb sensing device (temperature sensor), that contains a fluid capable of expanding or contracting due to temperature changes, causing the snap-action of a switch, that switches the heat source on or off.

Applications

Function of regulating and controlling of temperature, and thermal safety function in electric cooking appliances:

- Electric ovens.
- Mixed free-standing cookers.
- Miniovens.
- Microwave ovens.
- Others.

TECHNICAL CHARACTERISTICS

- Dimensions: 48 x 34.5 x 29 mm.
- Temp. regulation range: 40°C - 350°C
- Max. ambient temperature: T 150°C
- Breaking capacity:
 - 1-2 16A 250 V
 - 1-3 2 (2) 250 V
- 6.3 x 0.8 DIN 46247
- Contact box: single throw or double throw.
- Capillary tube: stainless steel $\varnothing 1$ mm.
- Bulb: stainless steel \varnothing according to customer requirements.
- Earth terminal: included.
- Differential: according to customer requirements.

Features

- Temperature regulation range: 40 - 350°C.
- Ambient temperature in thermostat body: up to 150 °C.
- Temperature differential: according to customer requirements.
- Contact box: single throw or double throw.
- Turning start-up position of the spindle: according to customer requirements.

Features

- Length of spindle: according to customer requirements.
- Length of capillary tube: according to customer requirements (minimum: 500 mm).
- Length and diameter of bulb: according to customer requirements.
- Optional: use of a capillary protecting sheath (length on request).



EKOTIME

ELECTRONIC CONTROL FOR OVEN



Ekotime is an oven timer that integrates all timing functionalities of traditional oven controls. It has a customizable LED display, in three different sizes and different colors, and also the pictograms designs can be customized under request.

This product has been developed as a result of the deep EIKA's knowledge on oven products and efficiency labelling, that's why EIKA can offer a full software customization in close contact with customer.

Features and benefits

Customizable LED display:

- Easy and clear to read symbols
- Three different sizes
- Available in different colors
- Pictograms designs can be customized

Operation via capacitive touch keys:

- Up to 5 different keys
- Function of each key can be customized

- Clearly distinguishable acoustic signals for timing warnings and main operation
- Input available for commutator status
- Customized cooking programs or recipes
- Automatic mains frequency detection
- Cavity temperature regulation

TECHNICAL CHARACTERISTICS

- Product lifetime: 10 years
- Mains supply: 110 to 240 Vac, 50/60 Hz (automatic frequency detection)
- Power connections with standard faston tabs of 6.3x0.8 mm
- Standby consumption: 0 W (commutator) / <0,5 W (no display) / <1,0 W (clock display)
- 105°C compliant, 95% RH
- Up to two different inputs for knobs (function commutator, temperature selector)
- Temperature regulation: thermostat or probe input (NTC or PT)
- Relay outputs: 1x 16A + 1x 2A
- Main relay lifetime: 100,000 cycles
- High-voltage input for commutator position (off position, ECO mode, etc.)
- Communication with power board (or other devices) available
- RoHS compliant
- Normative: EN 60730-1, EN 60730-2-7, EN 60730-2-9
- UL recognized and IEC compliant

EKOTIME
electronicoven**timer**





CUSTOMER
ORIENTATION



GLOBAL
MANAGEMENT



TECHNOLOGICAL
CAPABILITIES



SOLVENCY



LEAN
MANUFACTURING



PART OF A BIG FAMILY,
MONDRAGON
CORPORATION

HEADQUARTERS

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