

# CONTROLS FOR COOKTOPS





# CONTROLS FOR COOKTOPS BY EIKA, BROAD EXPERIENCE IN COOKING SYSTEMS

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.

CONTROLS FOR:



RADIANT



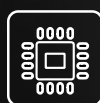
INDUCTION



GAS



RADIANT  
HEATERS



ELECTRONIC  
CONTROLS



TUBULAR HEATING  
ELEMENTS



ELECTRIC  
THERMOSTATS



# TOUCH CONTROLS BY EIKA, EXPERTS IN CONTROL AND REGULATION

Electronics Engineering department has approximately 30 years of experience in major domestic appliances, with a great specialization in cooking appliances.

We are offering a robust and reliable proprietary capacitive sensing technology developed in the 90s. Nevertheless we are continuously improving our designs, foreseeing the international standards updates, making the adaptation process almost transparent to our customers.

Eika is expert not only on the individual components, but also in the whole system: components >> appliance >> kitchen. Offering engineering support with a global view, understanding that the components must work together inside the appliance, in order to give the best cooking experience to the final user.

High knowledge of the different markets, cooking cultures and trends, adapting our components and solutions to every specific need.

## TECHNICAL CHARACTERISTICS

Mains supply: 208 to 240 Vac, 50/60 Hz
Operating temperature: 0°C to +105°C
Power connections with standard faston tabs of 6.3x0.8 mm
Easy and robust assembly system to cooktop frame
Standby consumption: < 0.5 W
Product lifetime: 10 years
Relays lifetime: 100,000 cycles (functional)
Certified components at VDE institute:
• Radiant hobs: EN 60730-1, EN 60730-2-11, EN 60335-1 including amendment 2, and EN 60335-2-6 Ed.6 2015
• UL certification also available for American market
RoHS and REACH compliant

Certifications:



Certified by:



**FAGOR**   
Fagor Electrónica

## Our EMS partner company

**A wide range of services  
in the electronics industry  
area.**

Adjusted, flexible and with innovative vocation, Fagor Electrónica provides a quick response, customer oriented and excellence in quality and service for their competitive companies that outsource manufacturing of electronics products.

In 1966, Fagor Electrónica started making components for the telecommunications sector with a clearly innovative spirit. Over the years its innovative spirit, and the experience in the sector, has allowed to offer a wide range of solutions.

## Fagor's automotive experience

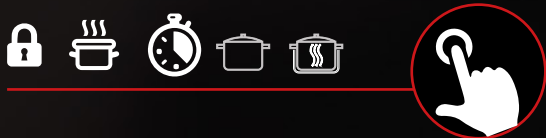
The automotive sector is characterized by the production of high volume series and a very high quality level, which is obtained based on working with systems with a high degree of automation.

Fagor has been providing customers of the automotive sector for a long time, and this experience enables us to offer a high quality product.

Great experience in this demanding industry, supported by the IATF 16949 and the approval of major car manufacturers and Tier-1 companies.



# FUNCTIONS



## INTERFACE

- Touch sensor technologies: capacitive, infrared
- Visualization types: 7-segment and LED based displays
- Colours: red by default, others available upon request
- Acoustic feedback: buzzer
- Power selection/visualization: up to 10 / 20 levels
- Heater interface/selection: shared/independent +/-; shared/independent slider
- Control up to 5 heaters and 8 heating zones



## SAFETY

- General/ independent on/off
- Key lock (child lock)
- Pot presence indication
- Protection from accidental activation of keys (liquids spill, overflow)
- Residual heat indication
- Automatic safety switch off
- Overheating thermal protection
- Internal self-checking



## COOKING FUNCTIONS

- Pause function (Stop&Go, Play-Pause)
- Power 'P', booster 'B', Heat-up 'A'
- Pre-defined cooking functions (simmering, melting, boiling, keep warm, low temp., slow cooking, etc.) or any other fixed time and power setup
- Remember function: memorize and reproduce
- Extensions (double/triple zones): shared/direct access keys
- Bridge: linked heaters



## TIMER FUNCTIONS

- Optional timer function
- Selectable timer from 0 to 99 minutes
- Individual timer per heater, also minute minder available
- Visualization: independent/shared, dedicated/hidden
- Heater switch off or minute minder (only alarm)



## OTHER FUNCTIONS

- Power limitation (eco mode): fixed / configurable
- SETTINGS mode
- ASS (aftersales) mode
- DEMO mode
- Auto-configurable models
- Communication with other appliances or devices (hood, flow-in, smartphones, ...)
- Master-slave touch connection

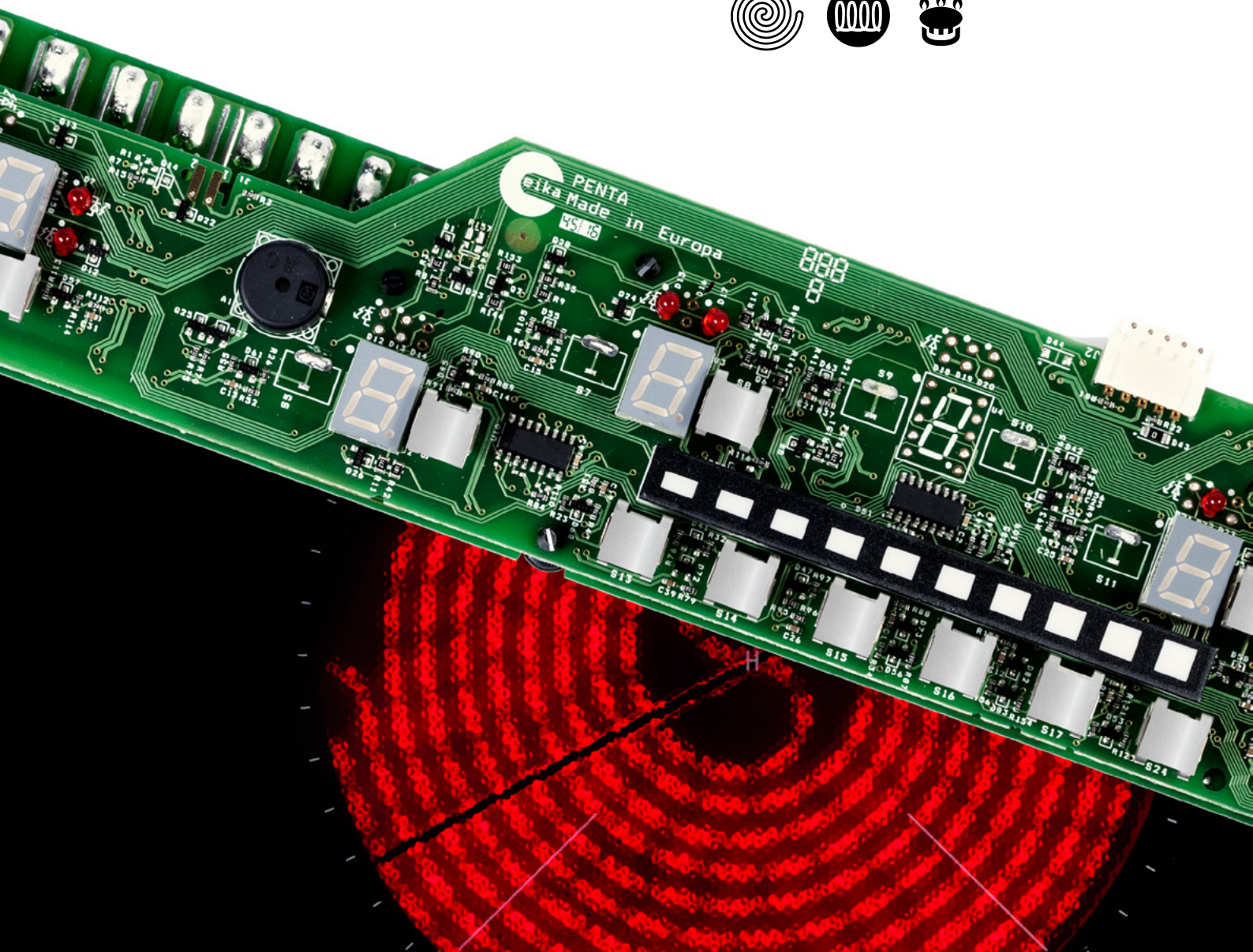


# CUSTOM MADE TOUCH CONTROLS BY EIKA, LET US KNOW YOUR APPLICATION

EIKA has the capability and know-how to develop fully customized touch controls according to our customers special demands for each market, bringing the chance to release an innovative and different product.

Any cooking technology (radiant, induction, gas), any visualization, any personalized function, any communication protocol. Ask for your specific need.

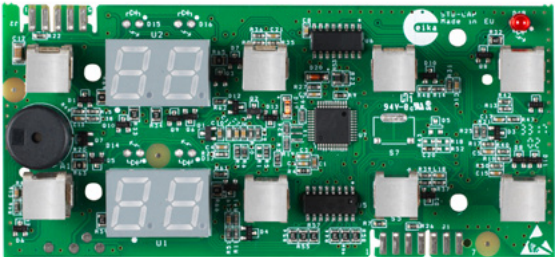
The following pages describe our standard catalogue touch controls.



**STD**

**Capacitive**

Up to 4 heaters  
Simplicity made touch



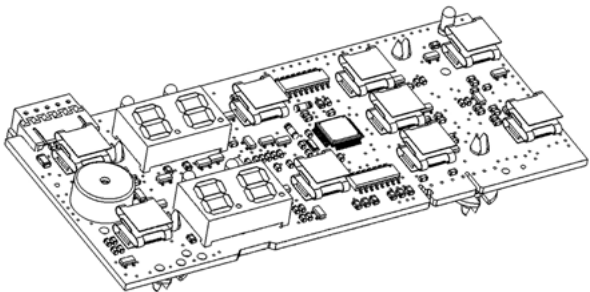
**Application**



INDUCTION

**Dimensions (mm)**

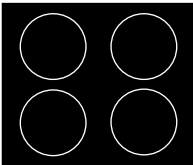
	length	depth	height
INDUCTION	109	49	9



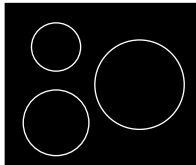
**Hob configuration possibilities**

INDUCTION

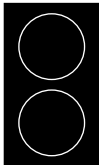
4 heaters



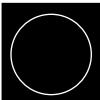
3 heaters



2 heaters



1 heater



**Layout examples**



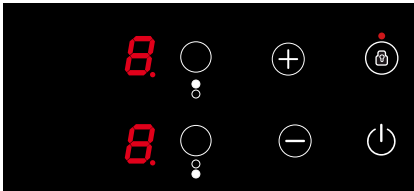
4 heaters with hidden timer



3 heaters without timer



2 heaters (horizontal)



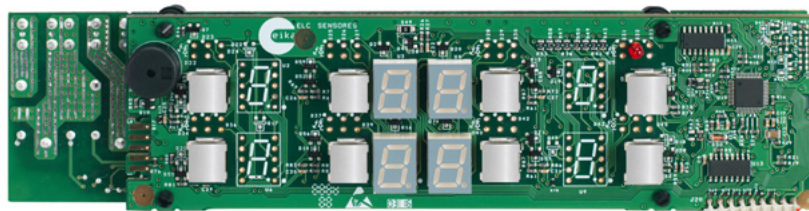
2 heaters (vertical)

**ELC**

## Capacitive

Up to 4 heaters

High flexibility for any configuration

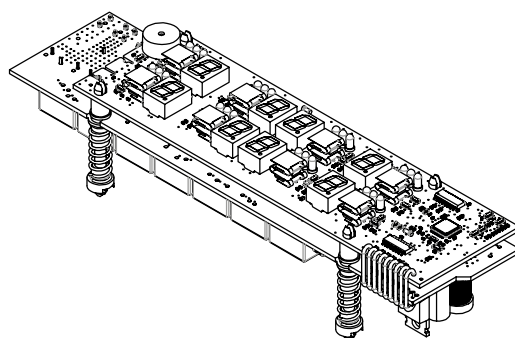


## Application



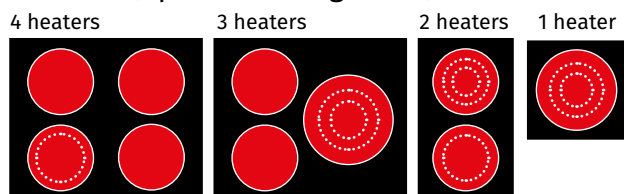
## Dimensions (mm)

	length	depth	height
RADIANT	193	47	40
INDUCTION	163	47	9

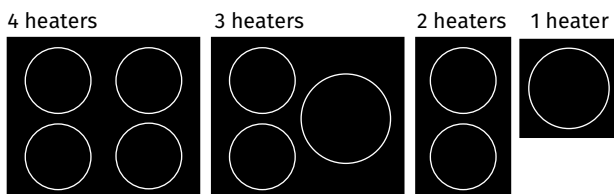


## Hob configuration possibilities

RADIANT (up to 5 cooking areas)



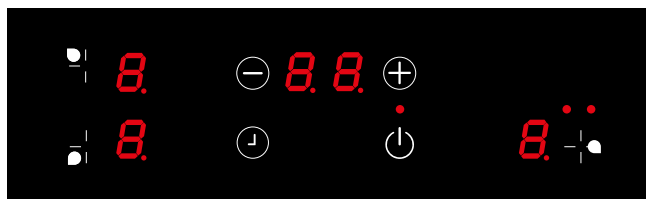
INDUCTION



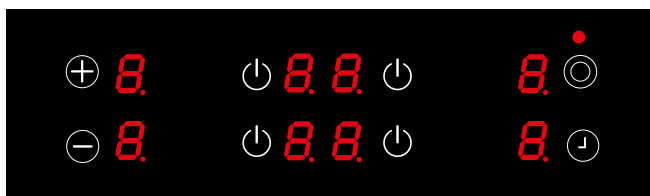
## Layout examples



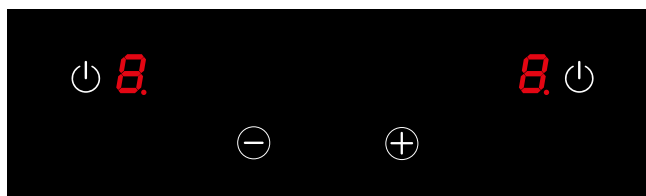
4 heaters, 1 double with timer, keylock and general on/off



3 heaters 1 triple with timer, keylock and general on/off



4 heaters 1 double with hidden timer and independent on/off



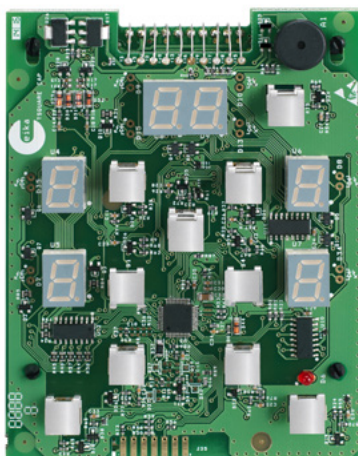
2 heaters without timer and independent on/off



# SQUARE

## Capacitive

Up to 4 heaters  
Compact design, quickest usability

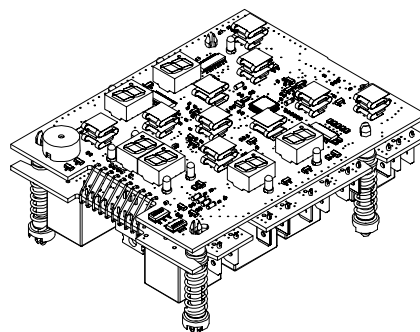


### Application



### Dimensions (mm)

	length	depth	height
RADIANT	87	112	40

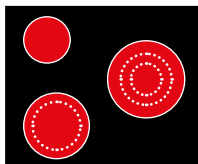
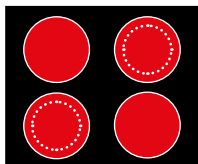


### Hob configuration possibilities RADIANT (up to 6 cooking areas)

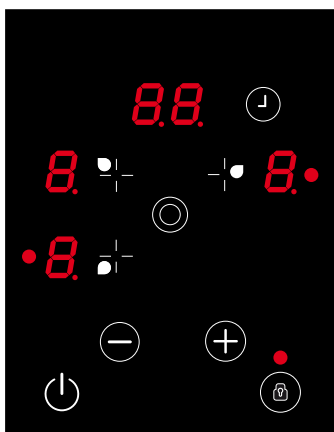
4 heaters

3 heaters

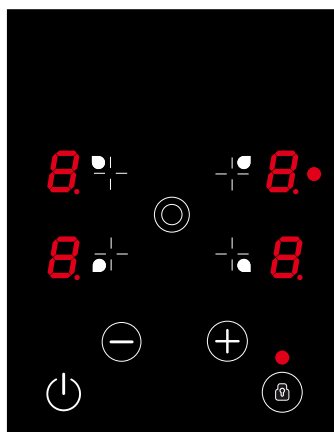
2 heaters



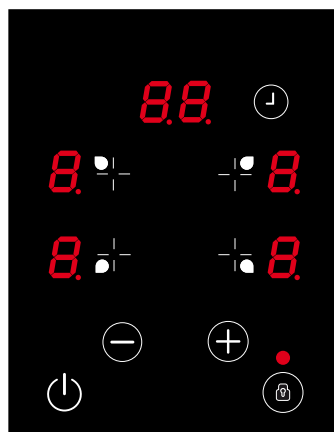
### Layout examples



3 heaters, 2 doubles with timer



4 heaters, 1 double without timer



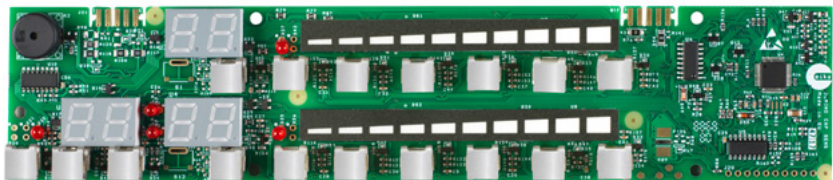
4 heaters, with timer



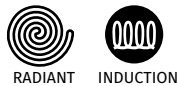
# DUOSLIDE

## Capacitive

Up to 4 heaters  
Dual slider for easiest operation

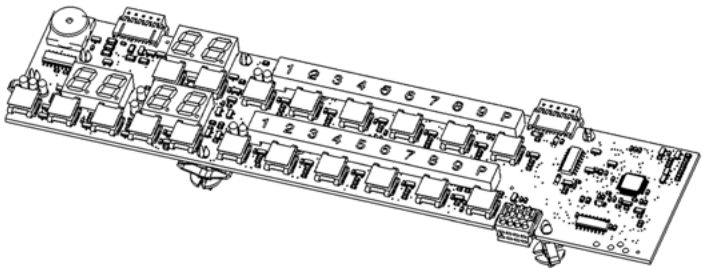


### Application



### Dimensions (mm)

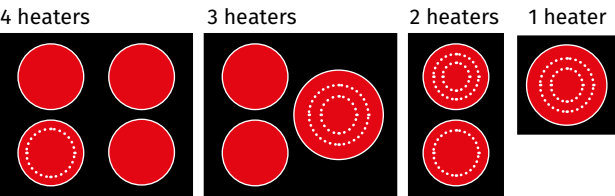
	length	depth	height
RADIANT	220	47	40
INDUCTION	220	47	9



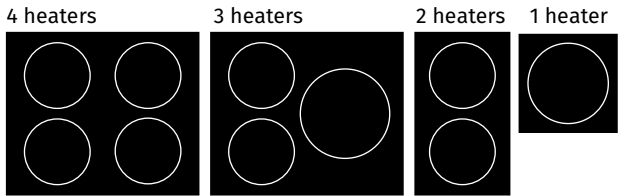
### Hob configuration possibilities

RADIANT (up to 5 cooking areas)

Expected Q4'20



### INDUCTION



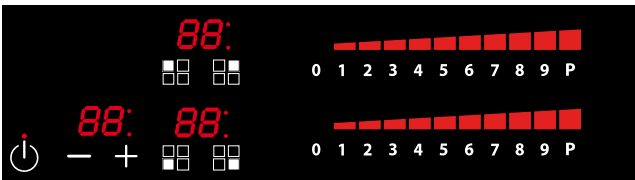
### Layout examples



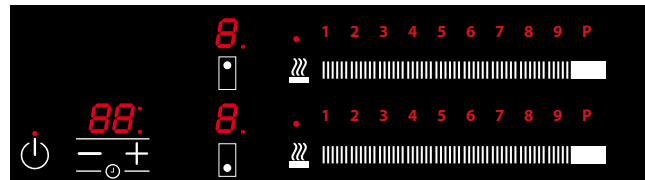
2 heaters with timer



1 heater with timer and additional functions



4 heaters with timer

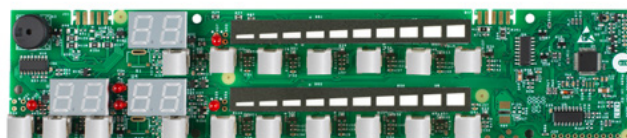
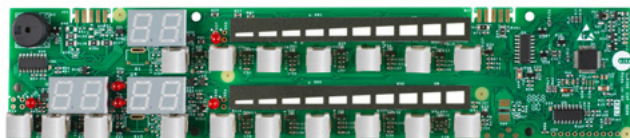


2 heaters with timer and keep warm

# DUOSLIDE MASTER-SLAVE

## Capacitive

Up to 4 heaters  
Dual slider for easiest operation



## Application

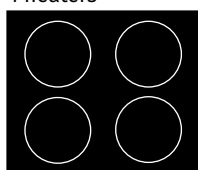


INDUCTION

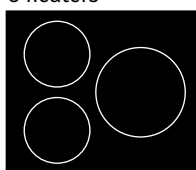
## Hob configuration possibilities

### INDUCTION

4 heaters



3 heaters



## Layout examples



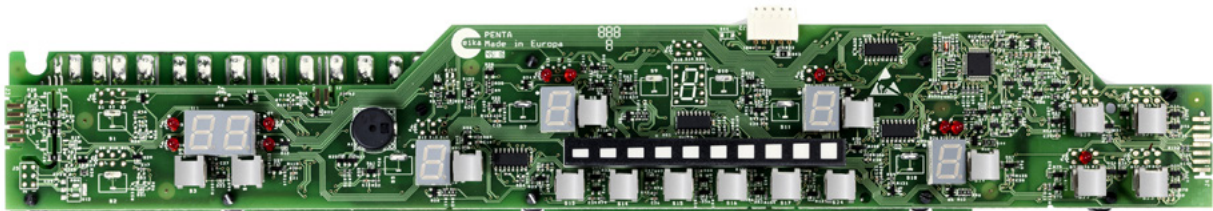
### LEVEL INDICATOR PER HEATER

Every heater can be customised with a power indicator display, that will show the user the cooking level at a glance.

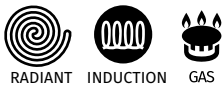
**PENTA**

**Capacitive**

Up to 5 heaters  
Wide slider or direct access keys

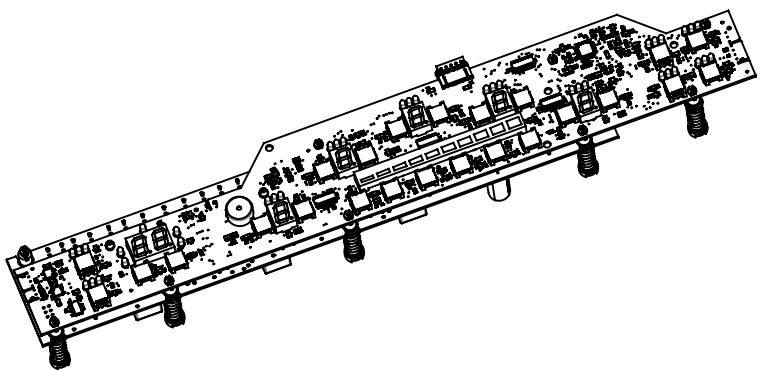


**Application**



**Dimensions (mm)**

	length	depth	height
RADIANT	357	56	40
INDUCTION	357	55	9



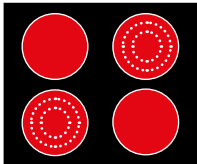
**Hob configuration possibilities**  
RADIANT (up to 8 cooking areas)

INDUCTION

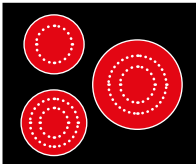
5 heaters



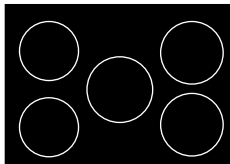
4 heaters



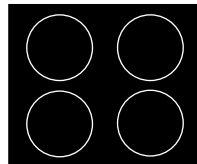
3 heaters



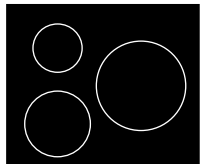
5 heaters



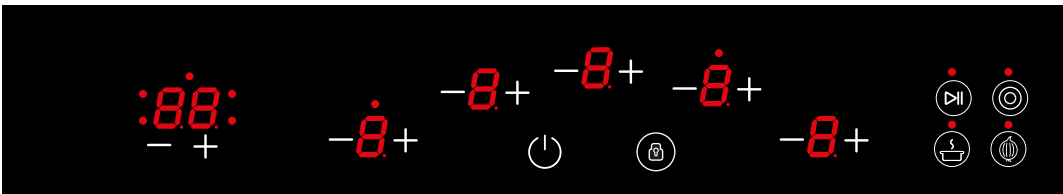
4 heaters



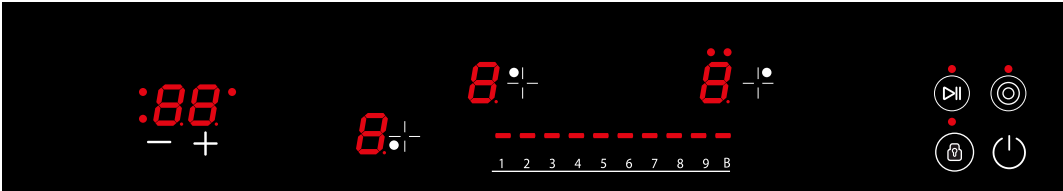
3 heaters



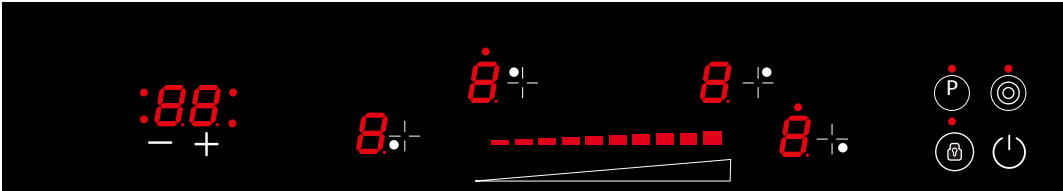
**Layout examples**



Direct access, 5 heaters, 2 doubles with timer



Slider, 3 heaters, 1 triple with timer



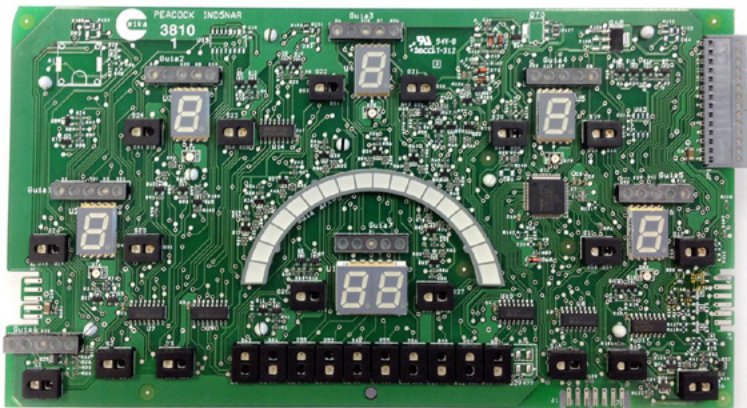
Slider, 4 heaters, 2 doubles with timer



**PEACOCK**

**Infrared**

Up to 5 heaters  
“UL certified family”



**Application**



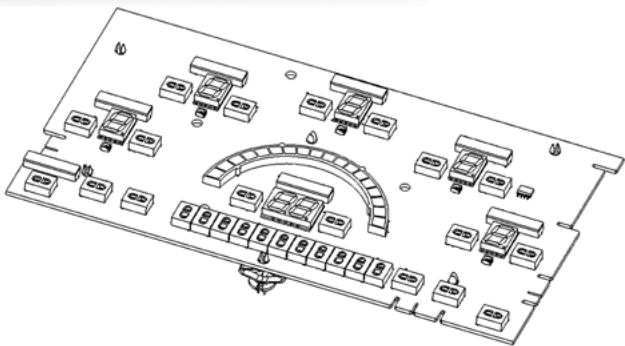
RADIANT



INDUCTION

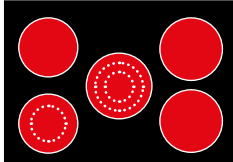
**Dimensions (mm)**

	length	depth	height
RADIANT	210	113	37
INDUCTION	210	113	6

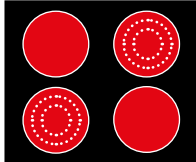


**Hob configuration possibilities**  
RADIANT (up to 8 cooking areas)

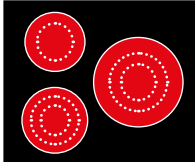
5 heaters



4 heaters

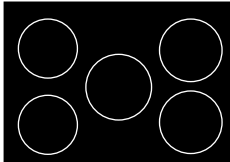


3 heaters

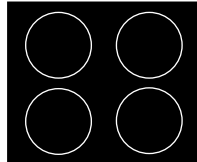


**INDUCTION**

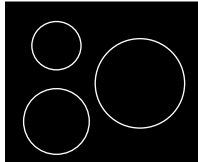
5 heaters



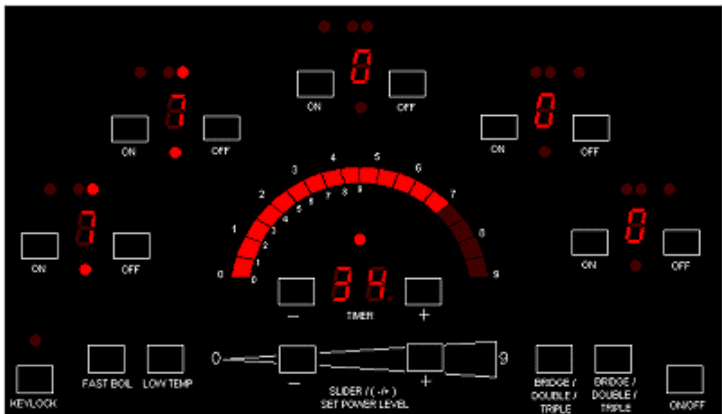
4 heaters



3 heaters



**Layout examples**



# TOUCH CONTROLS FOR HOBS

## TECHNICAL CHARACTERISTICS TABLE



MODEL	STD	ELC	SQUARE	DUOSLIDE	PENTA	PEACOCK
<b>Hob type</b>	Induction	Radiant Induction	Radiant	Radiant Induction	Radiant Induction	Radiant Induction
<b>Certification</b>	CE	CE	CE	CE	CE	UL
<b>INTERFACE</b>						
<b>Touch sensor technology</b>	Cap	Cap	Cap	Cap	Cap	IR
<b>User interface type</b>	RED colour 7-segment displays and LEDs, Buzzer					
<b>Power levels (max.)</b>	1 digit	1 digit	1 digit	2 digits	1 digit	1 digit
<b>Heater interface / selection</b>	Shared +/-	Shared +/-	Shared +/-	Independent +/- or indep. slider	Independent +/- or shared slider	Shared +/- or shared slider
<b>Heaters (max.) / cooking areas (max.)</b>	4 / -	4 / 5	4 / 6	4 / 5	5 / 8	5 / 8
<b>SAFETY FUNCTIONS</b>						
<b>On/off key</b>	General	General or independent	General	General	General (different locations)	General & independent
<b>Key lock</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Pot detection</b>	Yes	Yes	No	Yes	Yes	Yes
<b>Accidental activation protection</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Residual heat indication</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Auto switch off</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Thermal protection</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>Internal self-checking</b>	Yes	Yes	Yes	Yes	Yes	Yes
<b>COOKING FUNCTIONS</b>						
<b>Pause function</b>	No	Optional	No	Optional	Optional	No
<b>Power 'P', Booster 'B', Heat-up 'A'</b>	Optional	Optional	Optional	Optional	Optional	Optional
<b>Cooking functions</b>	No	No	No	Optional	Optional	Optional
<b>Extension zones</b>	No	Yes	Yes	Yes	Yes	Yes
<b>Bridge</b>	Optional	Optional	Optional	Optional	Optional	Optional
<b>TIMER FUNCTIONS</b>						
<b>Timer (minutes)</b>	Yes (99)	Yes (99)	Yes (99)	Yes (99)	Yes (99)	Yes (99)
<b>Timed heaters</b>	All	All	All	All	All	All
<b>Visualization</b>	Shared; Hidden	Shared; Dedicated or hidden	Shared; Dedicated	Shared; Dedicated	Shared; Dedicated	Shared; Dedicated
<b>Minute minder</b>	Optional	Optional	Optional	Optional	Optional	Optional
<b>OTHER FUNCTIONS</b>						
<b>Power limitation</b>	Optional	Optional	Optional	Optional	Optional	No
<b>Auto-configurable</b>	Optional	Optional	Optional	Optional	Optional	No

## HEADQUARTERS

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