

Most suited for:

Cooking chambers and boiling units, as well as cooling units

Function:

The ETA 110 can be used as a **regulator for heating- and cooling processes**, with the possibility of pre-programming and customising the relay functions.

Special features:

- Adjustable heating or cooling operation
- Adjustable hysteresis
- 3 level heating possible
- Digital alignment of temperature sensor possible
- Second relay as upper/lower value, operational or signal relay
- **Heating control** can be set to work as a **two-point control, XP control or for interval operation**



Graphic with optional WP-frame

Range for settings:

Range of setting for nominal temperature: -19°C to 350°C
The upper temperature ceiling can be chosen from 30°C to 350°C } infinitely variable
Contact for upper- and lower value: -100°C to +100°C

Measurement range: -19,9°C to 380°C

Technical data

Mechanical data

Casing: DIN 4370
Reinforced fibre-glass Noryl, shock-resistant, black colour, temperature-resistant up to 110°C (low-flammability)
Front frame 96 x 96 mm
with WP-frame 138 x 138 mm
Mounting dims. 90 x 90 mm
Mounting depth 60 mm
with terminals 80 mm
Own weight: 600 g

Electrical data

Operating voltage (standard): 230V 50/60Hz +/-10%
Own consumption: ca. 6 VA
Safeguards on front side: with rubber seal IP 65
optional: with WP-frame IP 67
Connections: connection terminals up to 1,5 mm² (detachable)
Permissible ambient temperature: -10/+70°C

Inputs/outputs

Inputs: 1 Pt100, two-wire circuit, can be digitally aligned
Outputs: 2 relay outputs,
Switching capacity 250V AC/5A
Potential free contacts, of which
1 change-over contact for upper-/lower value, operation or signal
1 closer for heating or cooling

Displays

Digital (7-segment display, red)
Height of numbers: 14 mm
3-digit for temperature, resolution 1 degree
Switching status display: light-emitting diodes (LED)

Options:

- Waterproof frame (WP), protection IP 67

Circuit diagram:

