FOODTECHNOLOGY

Temperature regulator ETA 110

CE-conform

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
- by pressing a key or automatically the adjusted temperature can be put out to the serial interface RS 232

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 contact for upper- and lower value: -100°C to +100°C -19,9°C to 380°C

infinitely variable

Measurement range:

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

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
- **Options:**
- waterproof frame (WP), protection IP 67
- serial interface RS 232

Electrical data

Operating voltage (standard): 230V 50/60Hz +/-10% Special design: Own consumption: Safeguards on front side:

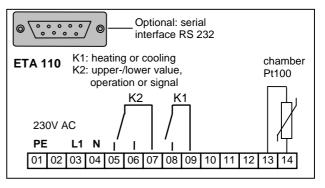
24/42/48/110/127/240 V ca. 6 VA with rubber seal IP 65 optional: with WP-frame IP 67

Connections: connection terminals up to1,5 mm² (detachable) Permissible ambient temperature: -10/+70°C

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)

Circuit diagram:





Graphic with optional WP-frame