

Overview

Portable monitoring and regulating unit with integrated temperature regulator ETA 110, piercing sensor PT100 (with 2m PTFE (Teflon) cable) and 3-pin plug.

Most suited for

Mainly in butcher shops and meat processing factories as temperature monitoring and regulating unit.

Function

The KMC 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

- Shock-resistant ABS-casing
- Degree of protection IP65
- Audible signal (which can be switched off)
- Protective insulated
- Adjustable heating or cooling operation
- Adjustable hysteresis
- 3-level heating possible
- Digital alignment of the temperature sensor possible
- Second relay as upper/lower value, operational or signal relay
- Heating control can be set to work as a 2-point control, XP-control or for interval operation



Range of settings

Range of setting for nominal temperature: -19°C up to +350°C

The upper temperature ceiling can be chosen from +30°C up to +350°C

The upper- and lower temperature value for signal (to the nominal value) can be chosen from -100°C up to +100°C

Technical data

Mechanical data

Casing : DIN 43700
Reinforced fibre-glass Noryl, shock-resistant, black colour, temperature resistant up to 110° (low-flammability).
Front frame 96 x 96 mm
Mounting dims. 90 x 90 mm
Mounting depth 60 mm
with terminals 80 mm
Own weight: 600g

Overall dimensions casing

Width x height : 132 x 135 mm
Width incl. handle : 160 mm
Depth : 155 mm

In-/outputs

Inputs : 1x PT100, two-wire circuit (can be digitally aligned)
Outputs: 2x relay outputs, Switching capacity 250V AC/5A, potential free contacts, of which:
1x change-over contact for upper-/lower value, operation or signal
1x closer for heating or cooling

Electrical data

Operating voltage : 230V 50/60Hz +/-10% (standard)
Special design : 24/42/48/110/127/240V
Own consumption: ca. 6 VA
Degree of protection on front side: with rubber seal IP65
Connections: connection terminals up to 1,5mm² (detachable)
Permissible ambient temperature: -10°C up to +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)

Options

- aditec VisuNet quality control (SVN)

Connection diagram

