

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-gl	
		shock-resistant, bl	ack colour,
		temperature resist	ant 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 weigh	nt:	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
	operation or signal
	1x closer for heating or cooling

Electrical data

(Teflon)

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

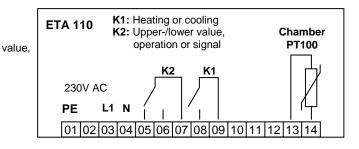
Displays

- 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



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