

Range of application:

Cooking and baking chambers, boiling-, cooling-, pre/after-ripen plants and freezers.

Function:

Temperature control with upper-/lower value control

Administrator PIN allows only certain people access to the controller, e.g. for cleaning processes, shut-down and start of operation

Temperature control (K1): heating + cooling possible (XP, 2-point or interval)

K1 can also be set as an operational relay

Alarm or second heating contact (K2):

- Exceeding the first upper-/lower value: the alarm relay works in the set pulsing (2 sec. on and 4 sec. off can be set)
- Exceeding the second upper-/lower value: alarm relay in continuous operation
- Second heating contact: for 2-level heating

Temperature range:

- Temperature can be set from -30°C up to +300°C
Min. setpoint limit can be set from -30°C up to +50°C / max. setpoint limit from 0°C up to +300°C
- Measurement range from -40°C up to +390°C
- You can set the upper- and lower limit value alarms for the temperature



Technical data

Mechanical data

Casing: DIN 43700
 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
 reinforced fibre-glass Noryl,
 shock-resistant, black colour,
 temperature-resistant up to 110°C
 (low-flammability)
 Own weight: 600 g

Electrical data

Operating voltage: standard 230V 50/60Hz +/-10%
 Special design: 24/42/48/110/127/240 V
 Own consumption: ca. 6 VA
 Degree of protection on front side:
 with rubber seal IP 65
 optional with WP-frame IP 67
 Terminals: connection terminals up to 1,5 mm² (detachable)
 Permissible ambient temperature: -10/+70°C

In-/outputs

Inputs: 1 Pt100, two-wire circuit,
 can be digitally aligned
 Outputs: 2 relay outputs,
 switching capacity 250V AC/5A
 potential free, of which
 1 change-over contact for signal
 and leading contact respectively
 1 closer for heating, cooling,
 or operation

Serial interface: RS 485
 (prepared for VisuNet)

Options:

- aditec VisuNet quality control (SVN)
- waterproof frame (WP),
 degree of protection: IP 67 on front side
- also as assembly wall-casing (on demand)

Displays

- digital (7-segment display, red)
 Height of numbers: 14 mm
 3-digit for temperature
 4-digit for administrator PIN
 Resolution: 1°C or 0,5°C
 Switching status display: light-emitting diodes (LED)

Circuit diagram

