

PLATIUM

The "Large Unit" with 32 relays

With this control system different process runs, such as hot-smoke-, cooking-, baking-, intensive-cooling-, climatisation/cold-smoke-, post-curing- and drying-chambers can be pre-programmed. It offers the possibility to archive those processes controlled according to time, core-temperature or to F-value – with or without certain DELTA T specifications – in 99 different programs, which comprises 99 steps each and to start them directly or temporally delayed. The gradients (temperature developing of start- and final values) for the operating- and core-temperature are freely programmable. During the program flow the remaining time can be modified for the current process. In case of power break down the actual data will be stored. After tension resetting the control system continues working at the interrupted program position. Additional control devices are: the probes for operating temperature, humidity and core-temperature. The actual values and nominal values are internally registered and be recalled as graphic chart on the LCD-display at any time. Furthermore the program features are continuously tested by parallel balance for accuracy.



Scope of Application:

- as retrofit equipment for existing installations.
- as control system for new plants:
- baking plants
- intensive-cooling plants
- climatisation/cold-smoke plants
- post-curing- and drying chambers

Unit dimensions:

Width:	340 mm (260 mm)
Height:	260 mm (340 mm)
Depth:	85 mm (150 mm)

Operation panel:

Front cover out of plastic with 21 push buttons, incl. imprinting, 1 LCD colour display for indication of all necessary data for handling and operation. The dialog is also available in the customer's language.

Low voltage section:

Logic board with CPU-attachment, plug-in positions for RAM and Flash-E-PROM, as well as a current loop interface for measuring data logging and a USB interface for up- and download of the programs and program versions by a USB memory stick, plus a 15 pole plug with the analogue outputs.

High voltage section:

Relay circuit board with 32 relays, 32 RC elements, optocouplers and plug board for outwards wiring.

Power supply:

Multi tension power supply integrated in the control system, internally completely connected.

Voltage Input:

80 - 230 VAC

Input:

control voltage

Probe ports:

3 probes PT-100, double wire circuit

2 x current input 4 – 20 mA

2 optocouplers 230 V

8 optocouplers 24 VDC

Outputs:

32 relays

8 analogue outputs 4 – 20 mA

resp. 0 – 100 VDC

Number of programs:

99

Number of steps:

99 per program

Options:

add. optocouplers

add. PT-100, double wire circuit

add. current inputs

network interface card

Planning Consultation Evaluation Projection Steering Measuring data recording



We don't have problems; we just create new learning situations.



General Information

Terms of delivery: approx. 4 weeks after order confirmation.

Test installation possible for 3 months at site according to separate offer.

Optimising of actual programs by application of special technologies to avoid unnecessary weight losses and to improve the product quality.

Application of energy saving functions to reduce current operating costs.

The E&B control systems have been applied at many installations in the world such as Switzerland, Germany, Austria, Hungary, Slovenia, Russia, Sweden, Finland, Netherlands, Belgium, France, Spain, Croatia, China, Taiwan, USA, Canada, Alaska, Japan, Australia, Trinidad.

Thanks to the dialog handling the control system is easily operated.

The High Lights

- Reduction of energy costs
- Reduction of weight losses
- Reduction of production risks
- Installation in all existing trademarks
- References all over the world
- Control and regulation of pH-value
- Degree hour value
- Weight loss recording
- Regulation of exhaust air volumes
- Energy optimized cooking processes
- F-value regulation and C-Value control
- Control according to different core temperature probes
- Supervising of core temperature regulation with second probe
- Recirculation air regulation according to humidity
- Enthalpy regulation
- Intelligent heating regulator

Personnel identification

- Most modern data recording
- Program management at PC
- Failure transfer via e-mail and SMS

- World wide service network
- 24 months warranty

