

# HOT RUNNER CONTROLS OF THE FUTURE



# RT HOT RUNNER CONTROLS

Fast warm-up without overshooting. This core competence of our PID control algorithm improves the performance of the system. Results are savings in plastics and energy, reduction of wear and tear and increased productivity.

## RT-Produktfamilie

- Very fast control
- Simple, intuitive operation
- Cascading up to 64 zones
- New operating concepts with Webserver and APP
- Outstanding in price and performance

## Save resources

Thanks to its intelligent heat-up and continuous degree of operation adjustments, the innovative even heat-up mode function also saves unnecessary heat-up energy and at the same time lowers production costs.

## Operation redefined

The intuitive operation is a delight: all functions are readily accessible, self explaining and easy to use.

Web server or APP applications also increase the operating convenience. In addition, we also offer exclusive cloud solutions based on OPC UA technology.



Images may differ from the actual product!

## Scalable controllers

The right system for each application.

We offer its compact hot runner controls in three formats: RT1000, RT4000 and RT7000. All products are based on the same innovative PID control algorithms. As a standard, we supply the RT7000 controller with up to 32 zones. The system can be extended to up to 64 zones by means of cascading. In addition, we offer customised solutions.

As a specialist in multi-zone controllers in the industrial environment, our largest PID control applications encompass several hundred control zones.

Subject to errors, omissions, and technical changes!



# PRODUCT FAMILY

Range of functions	RT1000	RT4000	RT7000
Variants, number of zones	1	1 / 2 / 4 / 6 / 8	8 / 16 / 24 / 32
Cascading of the controller for larger systems	-	-	✓
Output ratio generation – from control operation (standard), manual operation, output ratio adoption from zone	✓	✓	✓
Self-optimising of PID parameters	✓	✓	✓
Energy-optimised heating	-	✓	✓
Soft start / Temperature lowering “Lower” / Boost (temperature increase)	- / - / -	● / - / -	● / ● / ●
Ramp function / Program Controller / Monitoring	● / ● / ●	● / ● / ●	● / ● / ●
Display of current and power per phase / Grouping of zones	- / -	- / -	● / ●
Heater current monitoring / Sensor error detection / System error detection	● / ● / -	● / ● / ●	● / ● / ●
Automatic checking of the correct assignment of sensor and load	-	-	✓
Loading of parameter sets via USB interface	-	✓	✓
Tool menu – selection of pre-set recipes	-	-	✓
Management of 3-levels of users with respectively defi nable limitations	-	-	✓
Log book function – time-sorted illustration of messages, warnings and alarms	-	✓	✓
Data storage via USB stick (graph, parameters, logbook)	-	✓	✓
Display	7-Segment	3,5 Zoll	7 Zoll
Capacitive touch	-	✓	✓
Web server / APP application	- / -	● / -	- / ●
Operation via Windows software ELOVISION (bus interface)	✓	✓	✓
Process graph for a precise overview of the work process	-	✓	✓
Visualised power monitoring	-	-	✓
Harting plug (sensors and heating), different versions	-	✓	✓
Thermocouple J (option: K, L) / 2-wire PT100 as option	● / ●	● / ●	● / ●
Alarm signals (relay) / On-off switch	● / ●	● / ●	● / ●
USB memory interface on the front side / Ethernet interface	- / -	● / TCP / IP	● / DHCP
Option: Bus interfaces (RS-232, RS-485, TTY) with Modbus protocols, etc.	✓	✓	✓
Options: Profi bus / Profi net / OPC UA	- / - / -	● / ● / -	● / ● / ●
Mains connection: 2.5 m cable (option: further lengths)	Schuko	Schuko	CEE
Output continuous operation, per 8-zone controller unit: maximum total current: 30 A / 7 kW at 230 V	-	-	✓
Power, continuous operation: 8-zone control unit: Maximum total current: 14 A / 3.2 kW at 230 V	-	✓	-
Output single zone: max. 14 A	✓	✓	✓
Sturdy aluminium housing / Passive cooling	● / ●	● / ●	● / ●

✓ / ● Standard ○ Optional

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