

INTEGRAL

- + Add-on for machines
- + Modular for 6 - 48 controller circuits
- + Slide-in controller boards
- + Operation via machine



Built-in temperature controllers

The INTEGRAL temperature controllers were developed for machine installation. Thanks to the slide-in controller boards for 6 controller circuits each, a very flexible system can be obtained. The controllers are preferably recommended for hot runner applications, but may also be used for other applications.

The empty 19" rack for up to 48 controller circuits is ideally suited as a basic machine version with a good price/performance ratio. The controller can be later adapted according to requirements. The slide-in controller boards can be added or exchanged within shortest time without any tools.

Screw terminals with labels are provided for connection of load circuits and temperature sensor.

A CAN interface is provided for operation.

In addition to the existing PC user interface, the system can be adapted to work with other existing machine programs.

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Dimensions

INTEGRAL

370
310
482

Connections

Specifications

Rack
19" rack; 84 TE, 7 HE for max. 48 zones

Available unit sizes
6 to 48 slots in increments of 6

Connections
Screw terminals for power supply, load circuits and thermocouples.
12 pole alarm plug.
Data bus SUB-D 9 pole (connector for control unit)

Power supply
Voltage / current / power requirements
400 VAC +/- 10% / 3 x 64 A / 44 kW

Specifications

Power output:	max. 16A per zone, contactless zero-voltage switching
Thermal sensor:	Fe-CuNi Type J or L
Accuracy:	better than 1 °C, self optimizing (with appropriate hot runner version)
Control range:	50 - 500 °C
Operational temperature:	10 - 40 °C (Cooling fans must be provided in rack for full output power!)

Operation, indicators
With TEMP-STAR Professional Software, Professional membrane keyboard or customization for existing operational components

Functions
Power circuit monitoring, sensor monitoring, current measurement, alarm output over-/undertemperature, input for attenuation and boost, otherwise according to control unit