

FUZYPRO

Hot Runner Controls

The HRC 15AL control module has dual digital displays providing readouts of both process and setpoint temperatures. Front panel Soft Start, Open Loop (Manual) Control and Closed Loop PID control buttons allow the user to select the function they want, when they want it, which puts you in control of your heating process quickly and easily. The auto-tuning function allows this controller to determine the PID parameters required for the controlled system. This provides precise control for any temperature process

Features:

Power Supply: 220VAC 50/60 Hz

Power Consumption: 5VA

Units: °C or °F

Inputs: Thermocouple J,T,N,B,S,E,R,K

Resolution: 1°

Sampling Period: 3 times/second

Alarm Out: AL1 deviation high with audible notification.

Output: Connect load directly 15A 220VAC

Control Mode: Ramp start, close loop PID control and open loop manual PID control.

Basic Error: $\pm 0.5\%$, ± 1 unit.



Main Frames



Fuzypro hot runner main frames, available in 1, 2, 5 or 12 Zones, require no external relays or contactors since they are contained in each frame. Fuzypro main frames fit most standard hot runner control modules, making controller replacement fast and easy.

Max. Amperage 15 Amps per zone

Power 240 VAC, Three Phase, 4 Wire (3 AC & 1 Ground), 50-60 Hz. (1 & 2 Zone, Single Phase)

Circuit Breaker 50 Amps, 3 Pole

Vital Feature Anti-Arching circuitry

Thermocouple Type "J"

Mold Interface Accomplished through dedicated power cord with ground (PWC-5) and Thermocouple cable (THC-5) (1 & 2 Zone, 1 single 5 wire cable construction of 2 thermocouple leads, 2 power leads and 1 ground lead per zone.)

Construction Heavy duty welded aluminum frame; air vent on bottom & side for cooling; top & bottom module insertion guides. Thermocouple Connector (FCK-TC, 25 pin, male) & Power Connector (FCK-PR, 25 pin, female) are mounted on the LHS of the main frame. Input power cord grip is mounted on RHS of the main frame (input power cord is not supplied). Completely self contained with no external components required.

Dimensions

	Height	Width	Depth
1&2 Zone	9"	7"	11.5"
5 Zone	9"	14"	11.5"
8 Zone	9"	20.25"	11.5"
12 Zone	9"	28.25"	11.5"