Multi-Zone Controller for hot runner systems

M Series V3

INDUSTRY 4.0

The new line of M Series Controllers work in all types of applications, controlling from a low to a high number of zones.

this product line responds completely to the needs of each user (operator, workshop floor manager, plant manager, injection expert,…) and to new concepts brought about by Industry 4.0



Exemples (Zone 15A) : XL Version (15") up to 168 zones max., L Version (10") up to 96 zones max., M Version (10") up to 64 zones max., S Version (7") up to 24 zones max., XS Version (7") up to 16 zones max., XXS Version (7") up to 8 zones max.

GENERAL SPECIFICATIONS

- From 8 to 168 zones (power card 15A) or 336 zones (power card 2,5A)
- Available in 6 sizes
- 7", 10" or 12" color touchscreen
- Communication SPI - MODBUS - USB - OPC UA (82.2)
- Small footprint
- 8, 4, 2 or 1 zone per power card concept (2,5A, 15A, 20A or 30A per zone)
- Operates with Insulated and non-insulated J Thermocouples (or type K in option)

STANDARD FUNCTIONS

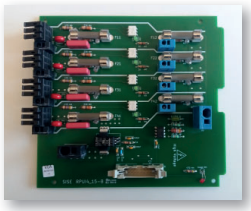


- Permanent self tuning control (*)
- 2 adjustable setpoint values
- Display of % power and load current per zone (Amps)
- High and Low Alarm (adjustable per zone, output on relay)
- Broken thermocouple (Display THC)
- Inverted thermocouple (Display THI)
- Automatic and Manual modes
- Zone Designation : MANIF1, SPRUE, TIP26
- Zoom in on 1 or more zones
- Keyboard locks with password
- Unlimited mold files
- Electrical Data from mold saved for analysis
- Standard multilingual interface (11 available languages)

(*) The MV3 Series uses a completely redesigned version of «Permanent Self Tuning Control» software, conceived and developed by SISE. This software continuously recalculates control parameters for each zone, immediately taking into account evolutions in the process. New Softstart modes, as well as commands for raising and dropping temperature, offer comfort and security for the operator.

ADVANCED FUNCTIONS

- Programmable display of zone data
- Boost function
  - Positive
  - Negative
  - Period of Time
- Percentage of Power Monitoring (%)
- Choice of 4 Soft Start and Stop Programs
  (time duration, ˚C/minute, shifted, synchronized)
- Real-Time Mold Surveillance for deviations in electrical data
- Automatically switches to Manual Mode using last recorded Power Applied
- Zone slaving
- Deferred Start (Time programming)
- Power-Saving function with power limitations



Power Card
4 Zones (15A)

Fast Access !



DIAGNOSTICS FOR MOLD UNDER CONTROL !

- **EASIER MOLD MAINTENANCE USING MOLDSCAN**
- **DETECT MATERIAL LEAKS IN REAL-TIME**