Advanced Control

- Automated Control Functions
- MoldScan Technology
- Faster Start-ups
- Controller & System Protection
ADVANCED CONTROL

**MV2 SERIES** hot runner temperature control technology offers uncompromising performance, intuitive user controls, and solid construction for long-term reliability. Designed with 12 to 144 zones per controller into 3 available cabinet sizes, the **MV2 SERIES** is ideal for high cavitation precision molding. Advanced control logic is engineered into the controller design incorporating the latest in performance features for repeatable operation. For ease of operator use, the control architecture is microprocessor based and offers advanced permanent self-tuning software.

**MV2 MAIN CONTROLLER FEATURES**
- Touchscreen user interface
- Continuous Auto-Tuning PID control logic
- Automatic or Manual modes of operation
- 2 set points for Automatic and Manual modes per zone
- 4 Soft Start Modes
- Zone designation - 8 digits max. (e.g., MANIF1, SPRUE, TIP26)
- Displays summary of alarm history with date and time
- Monitors external events with alarm input
- OPTIONAL: External alarm, audible and visual
- Multi-language interface – English, French, German, Italian, Portuguese and Spanish

**MV2 ADVANCED CONTROLLER FEATURES**
- MOLD SCAN: Performs electrical analysis of heating elements
- Machine/Press Interface: Communication link to exchange control data (set-points, current temperatures and alarms)
- Thermocouple Slaving
- Pinched TC indicator (PTI)
- Networking Capabilities (IP Address settings)

**FASTER START-UPS**
- Mass storage of files
- Memory feature reduces mold start up times with the existing mold configurations used to run each mold during production
- USB compatibility allows additional mold set up storage
- Use of the advanced Soft Start Modes

**CONTROLLER AND SYSTEM PROTECTION**
- Power monitoring system detects abnormal changes in zone function
- Thermocouple cards optically connected for failure protection during power surges (e.g., brownouts, lightning strikes)
- Thermocouple break protection automatically transfers control to Manual mode for continued production
- Password protection ensures only qualified personnel operate controller

**POWER**
- 240 VAC 3 Phase / 400 VAC with Neutral
- 50 / 60 HZ Auto Select
- 15 Amps per zone (30 Amp available upon request)

**ZONE & SCREEN OPTIONS**

(S)
- Minimum 12 zones up to 24 zones
  - 7” Color Touchscreen

(L)
- Minimum 24 zones up to 72 zones
  - 10” Color Touchscreen

(XL)
- Minimum 72 zones up to 144 zones
  - 10” Color Touchscreen or optional 15” Color Touchscreen Monitor

To learn more about INCOE’s new **MV2 Series Temperature Controller** and other INCOE products, visit www.incoe.com.

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