Hot Runner Controller

- Mold controllers- Mold controllers are essential devices used in conjunction with hot runner systems to precisely regulate and maintain the temperature of the various components, such as nozzles and manifolds, during the injection molding process. Proper temperature control is critical to ensure consistent and high-quality plastic part production. Here's some information about hot runner temperature controllers
Designed and manufactured completely in India, this product range offers most reliable and cost effective temperature control solution.
  - Best quality products used.
  - Very easy servicing.
  - Industry 4.0 ready.
  - Customization possible.

Model	HMI or 48*48 PID Controller	Data report (csv)	No. of zones and type			Alarms
MCPpro	HMI	Yes	All PID zones (upto 150 zones)	CT reading available	Industry 4.0 ready	Heater break, SSR short, Thermocouple open, Overcurrent
MCOne	HMI	Manifold data available	Manifold zones with PID (upto 64 zones) + manual nozzle control (upto 150 zones)	CT reading optional	Industry 4.0 ready optional	Heater break, SSR short, Thermocouple open, Overcurrent For manifold zones
MCEco	Pid controller 48*48mm	No	All PID zones (upto 40 zones)	CT reading optiional	Industry 4.0 not available	

We have developed three models which can provide best value product for all segments.

1. MCPro
   This is the most advanced model in our product range. All zones will be having PID control. System data can be taken in a csv data file using a pen drive with adjustable time interval. PID controllers used in this system are the most advanced in the market and will provide most accurate control.
2. MCOne
   This model will have PID control for manifold heaters only. Nozzle heaters will have percentage heating facility which can be set from the HMI. Because of this feature this model is very cost effective.
3. MCEco
   This model is what we call as conventional Mold controller which has 48*48 dedicated PID controllers for each zone. It is very cost effective system.