

# Smart Series® TSP (Touch Screen Panel)



The TSP™ Temperature Control System optimizes injection molding performance of any hot runner system with the advanced features of a touch screen unit but within a minimal footprint.

## TSP USER-FRIENDLY PERFORMANCE

- Intuitive, leading edge touch screen display with adjustable viewing angle
- Automatically employed diagnostics to ensure optimal hardware configuration and performance
- Advanced micro controller technology
- Continuous ground fault and current measurement

## PLUG-AND-PLAY SYSTEM ARCHITECTURE

- Patented “all-in-one” control card designed for reliability
- Modular 6-zone cards; 15 amps per zone
- Field calibration mode
- Universal power supply

## OPTIMIZES PERFORMANCE FOR ALL HOT RUNNER SYSTEMS

- Unique low voltage soft-start feature maximizes heater life
- Uniform startup feature reduces scrap and energy usage
- Proprietary adaptive auto-tuning control algorithm
- Phase angle or burst firing modes (time proportional, zero-crossing)

## ROBUST, HIGH-QUALITY DESIGN

- Compact solid metal enclosure with heavy-duty industrial connectors
- Mold and controller protection features
- On-board heater and thermocouple fuses
- Portable stand available

## OPTIONAL 7” DISPLAY WITH ADVANCED FEATURE SET NOW AVAILABLE!

ITEM NUMBER	SLOTS	# OF ZONES
ITS-12-15	2	12
ITS-24-15	4	24
ITS-48-15	8	48

Custom zone configurations available upon request

**IMPORTANT NOTICE:** Smart Series Controllers are not designed to control all zones as manifold zones. Doing so will cause the main circuit breaker to trip.

















### Mold Power Cables (15 AMP Max)

ITEM NUMBER	ITEM NUMBER	ITEM NUMBER	NUMBER OF ZONES (MAX.)	FROM 15 AMP FRAME (S)	TO POWER INPUT CONNECTOR
10 FOOT LONG	20 FOOT LONG	30 FOOT LONG		FOR CONNECTIONS	
MPC12C10G	MPC12C20G	MPC12C30G	12	12 ZONE	PIC12G



### Thermocouple Cables (for 15 or 30 AMP Mainframes)

ITEM NUMBER	ITEM NUMBER	ITEM NUMBER	NUMBER OF ZONES (MAX.)	FROM 15 AMP FRAME (S)	TO THERMOCOUPLE CONNECTOR
10 FOOT LONG	20 FOOT LONG	30 FOOT LONG		FOR CONNECTIONS	
TC12C10G	TC12C20G	TC12C30G	12	12 ZONE	MTC12G

ZONES	CONTROLLER	CABLES	TERMINAL MOUNTING BOX
12 ZONES OF CONTROL (15 AMP)	 ITS1215	 MPC12C10G (1 each)  TC12C10G	 PTC12TBTS (1 each)
24 ZONES OF CONTROL (15 AMP)	 ITS2415	 MPC12C10G (2 each)  TC12C10G	 PTC12TBTS (2 each)
48 ZONES OF CONTROL (15 AMP)	 ITS4815	 MPC12C10G (4 each)  TC12C10G	 PTC12TBTS (4 each)

### ITEM ITSTROLLEY



### Module Replacement Fuses (sold in packs of 5)

ITEM NUMBER	DESCRIPTION	AMPS
RPM0123	POWER FUSE	15
RPM0124	TC FUSE	.062

