

Temperature Control Systems

Hot Runner Temperature Controls Systems to accommodate a single hot sprue bushing and high cavitation molds up to 120 zones. Both modular and full featured PC based controls.



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TC5600 Temperature Control System

Features

- Power Input: 230Vac $\pm$ 10% / 24Vdc $\pm$ 5%, 50/60Hz
- Power Consumption: 230Vac: 3W / 24Vdc: 2W
- Power Output: 3450W, 230Vac / 15A (per zone)
- Breaker Amperage: 125 Amps
- HMI: 15.6" touchscreen display, tiltable, mold viewer
- Mold Self - Diagnostics
- Mold Leak Detection
- Mold Recognition
- Record Operator Activities
- Mold Aging Detection
- Timestamps
- Thermocouple type: J/K
- Temperature unit: F/C
- Warranty- 2 year; Human Machine Interface (HMI-screen) 1 year

TC5600 Temperature Control Systems are available in 12, 24, 36, 48, 60, 72, and 120 zones, delivering intuitive control for hot runner systems. The 15.6" touchscreen HMI features advanced mold diagnostics, synchronous heating and cooling, leak detection, mold aging value detection, and more. The Easy View interface provides a clear visual of mold structure and temperature distribution, while integrated leak detection helps identify internal material leaks to reduce downtime and prevent costly repairs.



*Item pictured not to scale

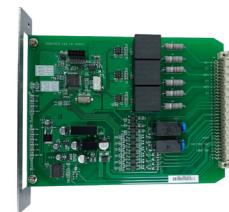
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Item Number	Zones	Power Input	Breaker Amperage	Height	Depth	Width (HMI)	Net Weight (lbs)	Shipping Weight (lbs)
TC56-12	12	230Vac +/- 10%	60	19.96"	17.45"	15.36"	64	95
TC56-24	24	230Vac +/- 10%	80	26.06"	17.45"	15.36"	84	125
TC56-36	36	230Vac +/- 10%	80	32.16"	17.45"	15.36"	90	150
TC56-48	48	230Vac +/- 10%	125	41.65"	18.98"	15.36"	133	190
TC56-60	60	230Vac +/- 10%	125	47.76"	18.98"	15.36"	155	220
TC56-72	72	230Vac +/- 10%	125	54.65"	18.98"	15.36"	177	255
TC56-120	120	230Vac +/- 10%	175	48.66"	21.89"	15.36"	352	485

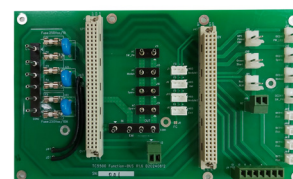


TC5600 Temperature Control System Replacement Items

Item Number	Description
TC56-ALM	Alarm Board 230Vac, 2 zones



Item Number	Description
TC56-BUS-T	BUS Board on TOP 230Vac



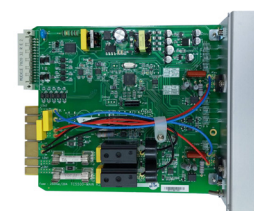
Item Number	Description
TC56-OVP	Overvoltage Protection Board 230Vac



Item Number	Description
TC56-BUS	BUS Board 230Vac



Item Number	Description
TC56-MDL	Control Module 230Vac, 2 Zones



Item Number	Description
FT15.6 HMI	HMI , 15.6" touchscreen, Tilttable



Onyx Temperature Controller System

Features

- Compact, robust cabinet design
- HMI - 7" or 10.4" adjustable touchscreen display
- Auto tuning and soft start
- Programmable Boost
- Programmable Stand-by mode
- Synchronous Heating and Cooling
- Caster wheels included
- Supplied with 10' input power cable, wired 240v 3 phase in cabinet
- Editable zone names
- Memory management for multiple molds
- USB port for data import/export and software updates
- Communication alarm board accepts external alarm from 24v DC signal for optional standby & shut down controls
- Multilingual options to include Spanish
- Warranty- 2 year; Human Machine Interface (HMI-screen) 1 year



TC2400 Shown

U Inch

Item Number	Zones	Voltage	Breaker Amperage	HMI Screen	Dimensions	Weight	Shipping Weight
TC1200	12	240	60	7"	13" x 15" x 16.5"	48 lbs.	66 lbs.
TC2400	24	240	80	7"	13" x 15" x 22.5"	65 lbs.	85 lbs.
TC3600	36	240	80	7"	13" x 15" x 28.6"	90 lbs.	156 lbs.
TC4800	48	240	125	10.4"	13" x 20.4" x 40.5"	167 lbs.	234 lbs.
TC6000	60	240	125	10.4"	13" x 20.4" x 46.6"	194 lbs.	264 lbs.
TC7200	72	240	125	10.4"	13" x 20.4" x 52.7"	220 lbs.	298 lbs.

Onyx Temperature Controller System Floor Stands & Transformer Kits



Item Number	Description	Transformer Kit
TCFS	Onyx Floor Stand (Only)	Not Included
TCFS-09	Onyx Floor Stand with 9KVA Transformer Kit	TK91AG
TCFS-15	Onyx Floor Stand with 15KVA Transformer Kit	TK151AG
TCFS-30	Onyx Floor Stand with 30KVA Transformer Kit	TK301AG



Onyx Temperature Controller Replacement Items

Item Number	Description
17CP3B-PS0-004	Onyx HMI replacement battery



Item Number	Description
HMI51	7" HMI Display for TC1200, TC2400 & TC3600
HMI52	10.4" HMI Display for TC3600, TC4800, TC6000 & TC7200



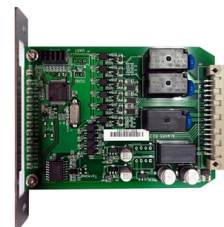
Item Number	Description
JBS8630030	Onyx Fuse (FF20), 10 per pack



Item Number	Description
KSW0120050	Onyx Circuit Breaker, 125 Amp / 3 pole for 36, 48, 60 and 72 zones
KSW0120060	Onyx Circuit Breaker, 60 Amp / 3 pole for 12 zones
KSW0120070	Onyx Circuit Breaker, 80 Amp / 3 pole for 24 and 36 zones



Item Number	Description
TC52-ALM	Onyx Alarm Board

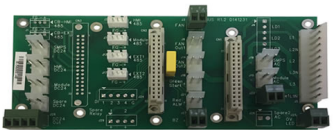


Onyx Temperature Controller Replacement Items - Continued

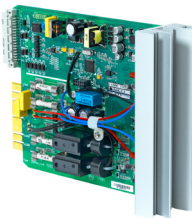
Item Number	Description
TC52-BUS	BUS Board



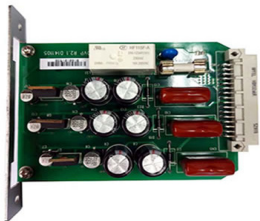
Item Number	Description
TC52-BUS-T	BUS Board on Top



Item Number	Description
TC52-MDL	Controller Module (2 zones)



Item Number	Description
TC52-OVP	Over Protection Board



TC50 Temperature Control System

Features

- HMI: 7" LCD display with touch panel
- Group setup function
- Mold Memory
- Power balance detection and display
- Synchronous heat up and cool down
- Self diagnosis log
- Hot runner leak detection
- Injection machine connection for I/O function (No Action, Stop, Standby, Alarm Output, Temp Ready)
- Thermocouple type: J/K
- Temperature unit: F/C
- Standard 25 pin connectors
- Heating mode selectable
- Maximum 15 amps per zone
- Temperature PID control
- Zero cross/Phase angle output trigger modes
- Auto detect the frequency of power source
- Current detect and display
- Soft start
- Boost
- Standby
- Output mode: Stop/Manual/Slave, selectable with broken thermocouple
- Overload protection for electric overload protection for heating output
- Fast fuse used to protect TRIA
- Languages: English, Chinese 2, German, Spanish, French, Portuguese, Italian
- Warranty- 2 year; Human Machine Interface (HMI-screen) 1 year

TC50 hot runner temperature controller with 7" HMI touch screen controlling either the 6 zone or 12 zone options. Standard features include self diagnostics, mold memory, zone slaving, leak detection and injection press connectivity for I/O functions to name a few. Power and thermocouple connectors accept standard cables. For special connectors, contact



U Inch

Item Number	Zones	Voltage	Breaker Amperage	HMI Screen	Dimensions	Weight	Shipping Weight
TC50-6	6	240	32	7"	11.3 x 13.27 x 7.2	20	23
TC50-12	12	240	63	7"	11.3 x 13.27 x 14.3	24	37

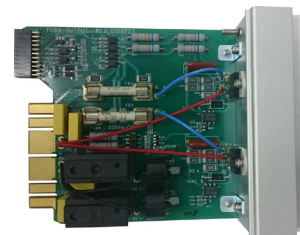


TC50 Temperature Control System Replacement Items

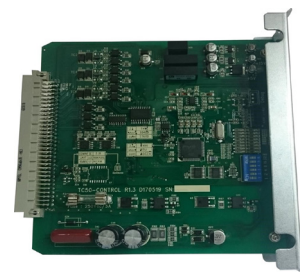
Item Number	Description
EJB0100150	TC50 HMI Module



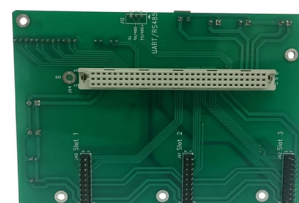
Item Number	Description
BAC0200000	Output Module



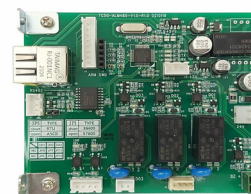
Item Number	Description
BAC0200001	Temperature Control Module



Item Number	Description
GAA5103003	BUS Board



Item Number	Description
GAA5103006	I/O Board



Item Number	Description
JBS3245000	Fuses (Control Module)



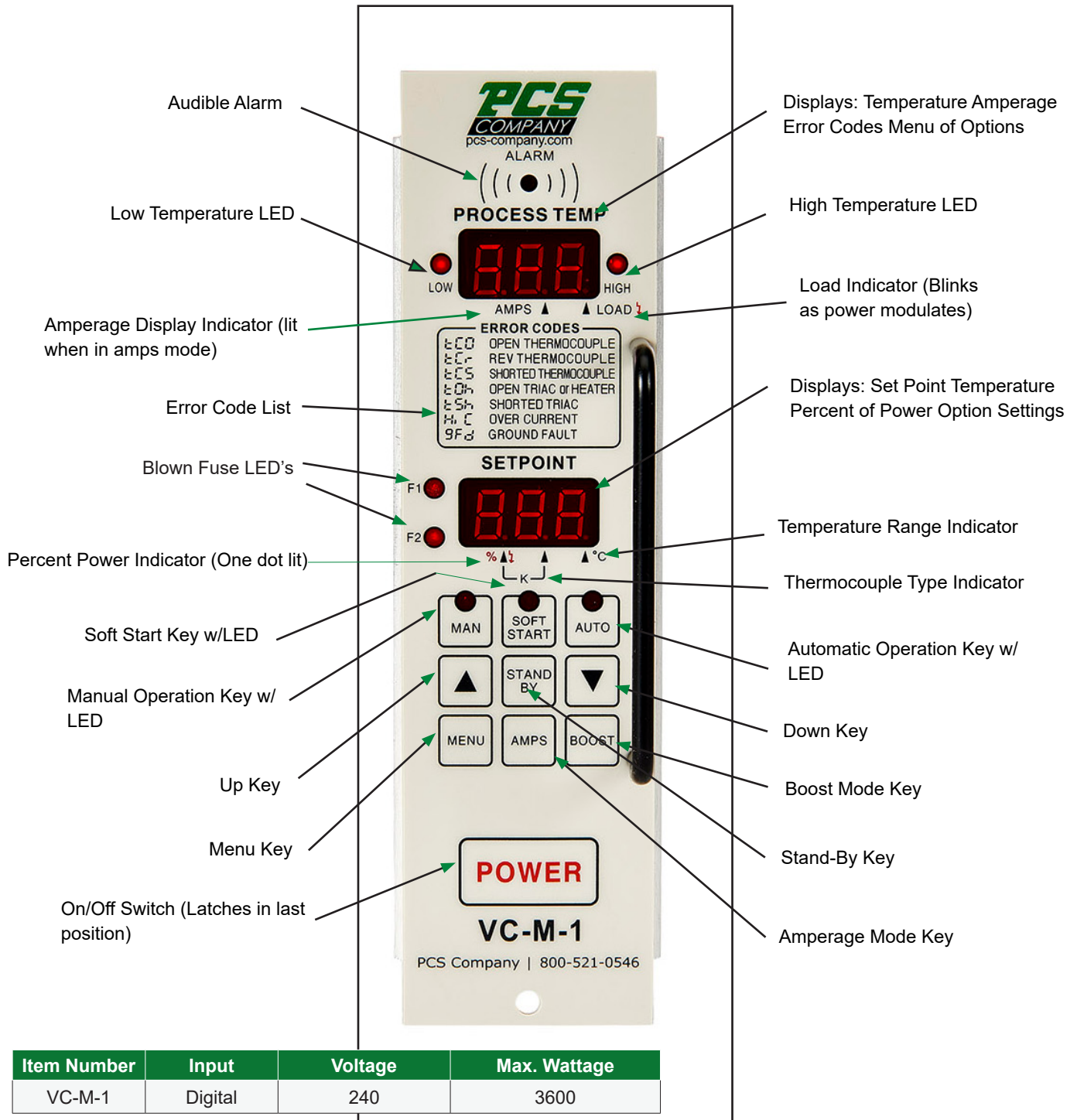
15 Amp Mainframe Modules

Features

- Interchangeable with all “G” series such as DME, IMS, PPE and Athena
- Selectable control method – Adaptive-auto-tuning PID or Fuzzy Logic
- Automatic Mode - Simply set the desired temperature
- Manual Mode - in the event the thermocouple feedback is not available
- Selectable to use with Type “J” or “K” Thermocouples
- Amperage measurement & display
- Percent of power display (selectable range)
- Automatic or manual operation
- Automatic soft start
- Anti-arcing
- Boost (selectable temperature & time)
- Standby
- Digital LED Display showing “F” or “C” temperature ranges and Type “J” or “K” thermocouple
- Indication of High and Low temperatures
- Reverse Thermocouple LED Indicator
- Open Thermocouple LED Indicator. Continues to apply a learned % of power
- Shorted Thermocouple LED Indicator
- Open Triac/Heater LED Indicator
- Shorted Triac - error Message in the display window and turns power off to the heater.
- Over Current - If the module detects current draw in excess of 16 amps, an error message will display
- High & Low Temperature Alarms – If the process temperature exceeds the over or under temperature threshold the appropriate LED will display
- Blown Fuse LED Indicator
- Over Current LED Indicator if the module detects amp draw over 15 amps
- Anti-Arcing feature with current mainframes to help prevent damage to the module if changed under power
- Blown Fuse Indicators for F1 and F2
- Soft Start – automatically controls the heating of a cold mold to efficiently bake out moisture before full power is applied
- Voltage: 208 to 240 VAC, single phase
- Current: 15 amps
- Frequency: 50/60 Hz
- Wattage: 3600
- Module Power Usage: Less than 3 watts, excluding load
- Size: 2” wide, 7” high, 7 ½ “ deep
- Weight: 1 ½ pounds
- Temperature Range: Fahrenheit or Centigrade – Dip switch selectable
- Set point: 0 – 999° F (537° C)
- Control Accuracy: +/- 1° F (in 200° to 800° F range) (93° to 428° C)
- Calibration Accuracy: Better than 0.2% of full scale
- Warranty: 2-years less fuses and triacs
- Made in U.S.A.



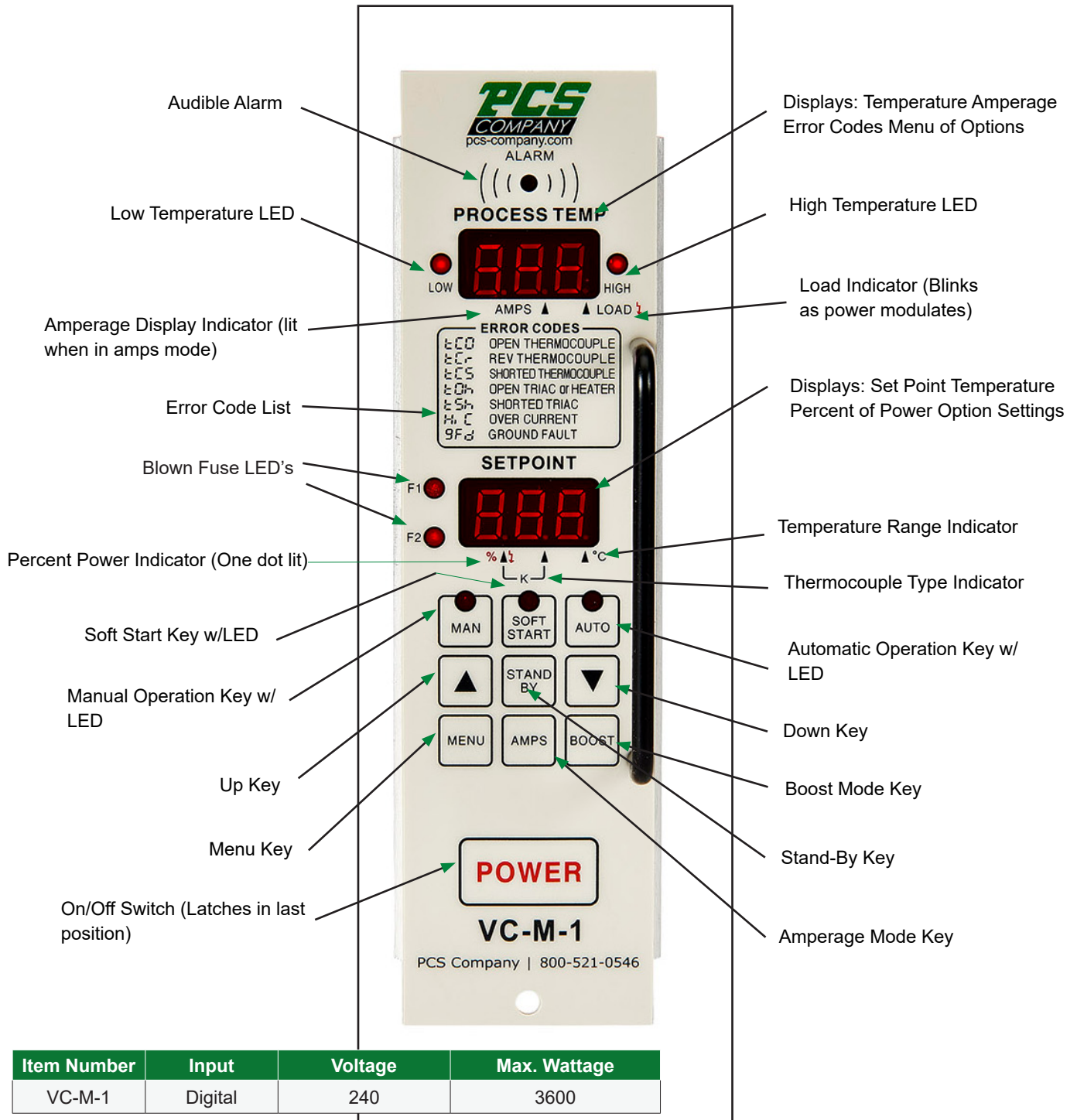
15 Amp Mainframe Modules - Continued



Item Number	Description
ABC-15	15 amp module fuse replacements (5 pack)



15 Amp Mainframe Modules - Continued



Item Number	Description
ABC-15	15 amp module fuse replacements (5 pack)

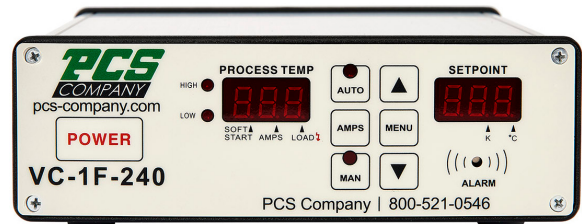


Single Zone Temperature Controller (Horizontal)

Features

- Enhanced Diagnostic Features
- Soft Start “LED” Indicator
- Soft Start “LED” Indicator
- Heater Load “LED” Indicator
- Auto or Manual Operation – LED mode indicator
- Type J or K Thermocouple – LED mode indicator
- F° or C° Temperature Range – LED mode indicator
- Amperage Monitoring & Display – LED indicates
- Audible Alarm – Selectable on /off
- Optional 10’ power cord - VC-1-IPC
- Option 110v controller available upon request
- Made in the U.S.A.

The VC-1F-240 Single Zone Horizontal Temperature Controller delivers precise temperature control with enhanced diagnostic and control functions. This 15 amp, microprocessor based temperature control system is compact in size, enclosed within a rugged extruded frame and manufactured to standup to the rigors of industrial environments. Employing the latest in microprocessor technology, the VC-1F-240 offers the user many improved and unique operating features, which provide ease of use, menu selectable flexibility with advanced PID control algorithm for precise control.



U Inch

Item Number	Zones	Input	Voltage	Max Amp Rating	Max Wattage
VC-1F-240	1	Digital	240	15	3600



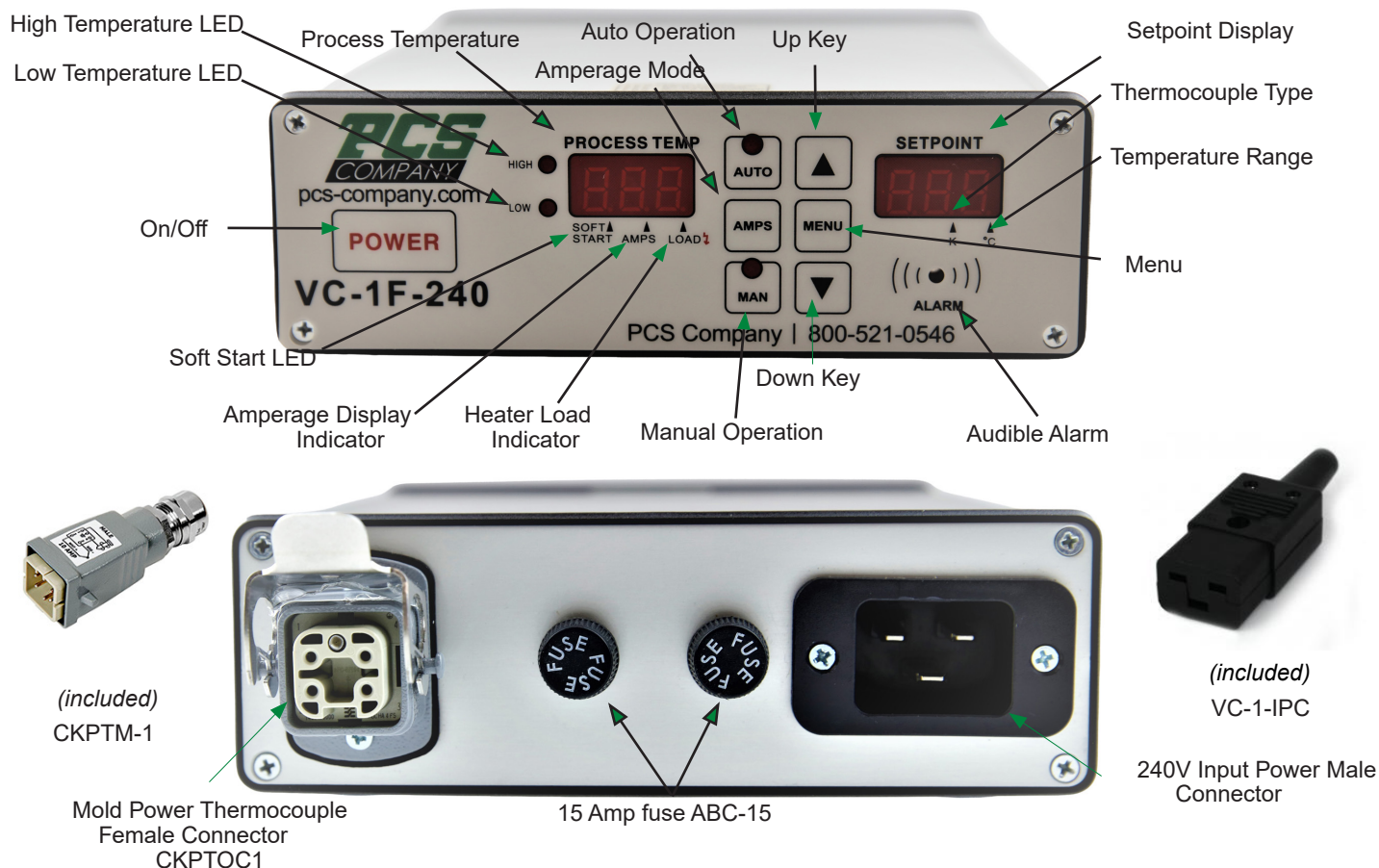
Item Number	Description
ABC-10	10 amp module fuse replacements (5 pack)
ABC-15	15 amp module fuse replacements (5 pack)



Single Zone Temperature Controller (Horizontal) - Continued

Specifications

- Large, Dual Digital Displays (Temperature, Setpoint, Error Codes)
- Audible Alarm
- Rear Mounted Fuses
- Soft Start "LED" Indicator
- Heater Load "LED" Indicator
- Bumpless Transfer—APO (average power output)
- 208 to 240Vac, single phase 120Vac (Optional)
- 50/60 Hz
- 15 Amp Capable
- 3600 Watts
- Size: 6 1/2" Wide, 2" High, 10" Deep
- Control System Power Usage, Less than 5 watts
- Set Point Range – 0° to 999° F
- Control Accuracy – +/- 1° F (0.5° C)
- Calibration Accuracy – Better than 0.2% full range
- Cold Junction Compensation
- Operating Temperature Range -32° to 120° F
- Output Drive – Internal solid state triac, zero crossing AC pulse



1 & 2 Zone Mainframe (Modular)

Features

- Compatible with all industry standard “G” Series® style temperature control modules
- Standard 240vac, 3 phase input voltage
- Includes mating plugs for cables and power
- Modules and cables sold separately
- Maximum 10 amps per zone
- Made in U.S.A.
- 120v mainframes available upon request

The one-zone and two-zone 240V mainframe is compatible with industry-standard “G” series modules and single-zone combination power/thermocouple cables. It can be configured for one zone of control with a blank panel or two zones for hot sprue bushings or additional heater zones. The mainframe includes an input power plug and two cable input power plugs. Modules, cables, and blank panels are sold separately.



U Inch

Item Number	Number of Zones	Voltage	Max amp rating	Max Wattage	Height	Width	Depth
VC-2F-1	1 or 2	240	15 per Zone	3600 per Zone	10.75"	7"	10

1 & 2 Zone Mainframe Optional and Replacement Items



VC-10BP



AC2024F



AC1512F

Item Number	Description
VC-10BP	Blank Panel
AC2024F	Female 240v power connector
AC1512F	120v power input connectorfor 2 zone mainframe

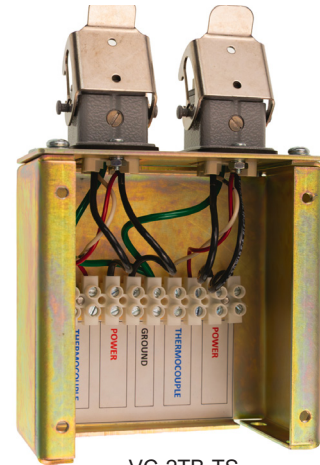


2 Zone Connector Boxes

Features

- Pre-wired or blank options
- Pre-wired connector box comes with 2 each, CKPTIC-1 wired into a terminal strip
- Pre-drilled for easy installation
- Blank box accepts industry standard 5 pin combination power and thermocouple connectors (CKPTIC-1 or CKPTIC-1-P)

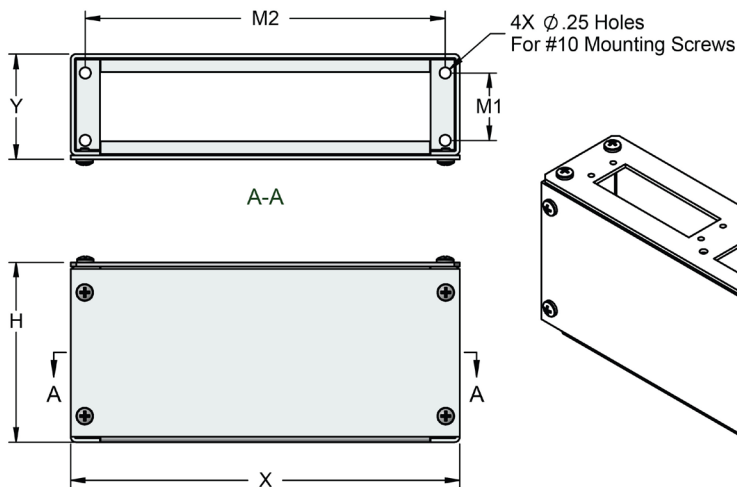
1 & 2 Zone Connector Boxes are available as blank or pre-wired options. The blank box lets you add the 5 pin combination connector to the pre-drilled holes plus wire it yourself. The pre-wired option has removable panels to easily access pre-numbered and color coded wiring at the terminal mounting strip. Constructed of heavy gauge steel for extra protection in the injection molding environment.



VC-2TB-TS



VC-2TB



U Inch

Item Number	Style	Zones	X	Y	H	M1	M2
VC-2TB-TS	Pre-Wired	2	4	2.4	4	1.5	3.42
VC-2TB	Blank	2	4	2.4	4	1.5	3.42



1 & 2 Zone Cables

Features

- Power and Thermocouple Combination Cables - one and two zones
- Maximum Amps: 15 amps per zone
- Length: 10', 15' and 20'
- Available with either metal or plastic connector housings



Shown with metal housings

U Inch

Item Number	Length (ft)	Max. Amp	Housing Material
VC-MPTC-10	10	15	Metal
VC-MPTC-15	15	15	Metal
VC-MPTC-20	20	15	Metal
VC-MPTC-10-P	10	15	Plastic
VC-MPTC-15-P	15	15	Plastic
VC-MPTC-20-P	20	15	Plastic

1 & 2 Zone Connectors



CKPTIC-1



CKPTIC-1-P

Item Number	Description
CKPTIC-1	1 zone 10 Amp power & thermocouple connector (mold end) metal
CKPTIC-1-P	1 zone 10 Amp power & thermocouple connector (mold end) plastic



1 & 2 Zone Connectors Continued



CKPTM-1



CKPTM-1-P



CKPTM-1L



CKPTM-1L-P

Item Number	Description
CKPTM-1	1 zone cable connector male without latch (controller end), metal housing
CKPTM-1-P	1 zone cable connector male without latch (controller end), plastic housing
CKPTM-1L	1 zone cable connector male with latch (controller end), metal housing
CKPTM-1L-P	1 zone cable connector male with latch (controller end), plastic housing



CKPTF-1



CKPTF-P



CKPTF-1L



CKPTF-1L-P

Item Number	Description
CKPTF-1	1 zone cable connector female without latch (metal housing)
CKPTF-1-P	1 zone cable connector female without latch (plastic housing)
CKPTF-1L	1 zone cable connector female with latch (metal housing)
CKPTF-1L-P	1 zone cable connector female with latch (plastic housing)



CKPTOC1



CKPTOC1-P

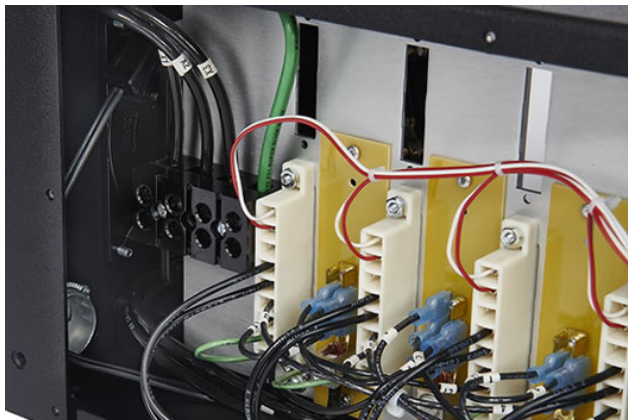
Item Number	Description
CKPTOC1	1 zone 10 amp power & thermocouple (controller end), metal housing
CKPTOC1-P	1 zone 10 amp power & thermocouple (controller end), plastic housing



Modular Temperature Control Mainframes

Features

- Compatible with all industry standard "G" Series® style temperature control modules
- Standard configurations from 2 to 12 zones
- Standard 240vac, 3 Phase input voltage
- Custom cable connections available upon request
- Includes mating plugs for cables and power
- Side mounting ventilation fan
- Phase indicator lights on the front panel
- See operation manual for optional wiring configurations
- Made in the U.S.A.



U Inch

Item Number	Zones	Breaker Amp	Max Amps per Zone	Height	Width	Depth
VC-5F-1	5	50	15	9	14.1875	11.5
VC-8F-1	8	50	15	9	20.1875	11.5
VC-12F-1	12	50	15	9	28.1875	11.5



Floor Stand For Mainframe

Features

- Construction: Welded steel frame
- Lockable and swivel casters
- Fits 5, 8 and 12 zone mainframes
- Maximum 48 zones
- 20-1/2" wide, 25-1/4" deep, 45-1/2" height
- Mainframes and modules sold separately
- Made in the U.S.A



U Inch

Item Number	Mainframes	Max. Zones	Height	Width (Maximum)	Depth
VC-FS	5-8-12	48	45.500"	20.500"	25.250"

Mainframe Step Down Transformer Kits

Features

- Converts 480/60/3 to 240/60/3 Voltage
- Kit Includes mobile floor stand, transformer, disconnect switch with 6' cable and mounting hardware
- Ships tested and assembled
- Mainframes and modules sold separately
- Contact PCS to help size th transformer
- Made in the U.S.A.



U Inch

Item Number	kVA (Power Capacity)	Height	Width (Maximum)	Depth
TK91AG	9	45.500"	20.500"	25.250"
TK151AG	15	45.500"	20.500"	25.250"
TK301AG	30	45.500"	20.500"	25.250"

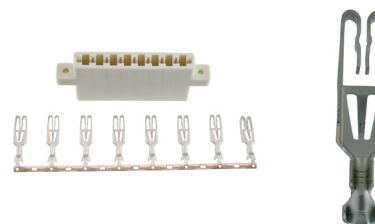


Modular Mainframe Optional and Replacement Items

Item Number	Description
VC-10BP	Blank Panel



Item Number	Description
CKF-312-G	Edge Card Connector (supplied with R172-002)
R172-002	Edge Card Contact (pack of 20)



Item Number	Description
R144-002	Edge Card Rail (pack of 10)



Item Number	Description
R115-003	Replacement Panel Base for Mainframe (Power & Thermocouple)



Item Number	Description
CBD50	50 amp circuit breaker



Standard Mold Power and Thermocouple Cables

Features

- Made in U.S.A.
- 10', 15', 20' and 30' lengths
- Industry standard single, 5, 8 and 12 zone connections

Item Number	Zones	Length
Power (Heater) Cables		
VC-5PC10	5	10'
VC-5PC	5	15'
VC-5PC20	5	20'
VC-8PC10	8	10'
VC-8PC	8	15'
VC-8PC20	8	20'
VC-12PC10	12	10'
VC-12PC	12	15'
VC-12PC20	12	20'
VC-12PC30	12	30'



VC-12PC10

Item Number	Zones	Length
Thermocouple Cables		
VC-5TC10	5	10'
VC-5TC	5	15'
VC-5TC20	5	20'
VC-8TC10	8	10'
VC-8TC	8	15'
VC-8TC20	8	20'
VC-12TC10	12	10'
VC-12TC	12	15'
VC-12TC20	12	20'
VC-12TC30	12	30'



VC-12TC10

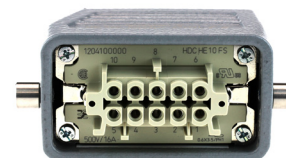


Standard Cable Replacement Items

Item Number	Description
CKPF-112-BG	Standard Power Cable mold end assembly, 25 Pos. cable end hood with 25 Position Female insert for 5-8-12 zone cables, 15A
R115-004	Replacement Hood
R115-002	Replacement 25 Position Female Insert (requires PIN0214 pins)



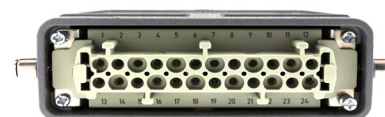
Item Number	Description
CKTF-15-G	Standard 5 zone TC cable mold end connector assembly, 10 position cable end hood with 10 pos female insert, 15A
R112-004	Replacement Hood
R112-002	Replacement Insert



Item Number	Description
CKTF-18-G	Standard 8 zone TC cable mold end connector assembly, 16 pos. cable end hood with 10 position female insert, 15A
R113-004	Replacement Hood
R113-002	Replacement Insert



Item Number	Description
CKTF-112-G	Standard 12 zone TC cable mold end connector assembly, 24 position cable end hood with 24 pos female insert, 15A
R114-004	Replacement Hood
R114-002	Replacement Insert



Item Number	Description
CKPM-112-BG	Standard Power Cable controller end connector assembly, 25 Position cable end hood with 25 Pos. Male insert for 5-8-12 zone cables
R115-004	Replacement Hood
R115-001	Replacement 25 Position Male Insert (requires PIN0114 pins)



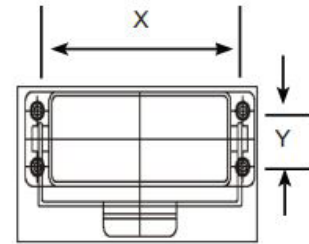
Item Number	Description
CKTF-112-AG	Standard TC Cable Mainframe end connector assembly, 25 Position cable end hood with 25 Pos. Female insert for 5-8-12 zone cables
R115-004	Replacement Hood
R115-002	Replacement 25 Position Female Insert



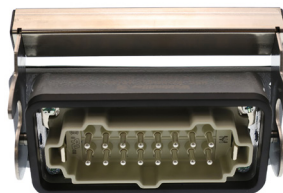
Standard Mold End Connectors

Features

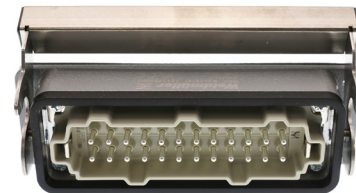
- Power connectors for 15 amp 5, 8 and 12 zone come with 6 inches of 14 gauge wire leads and crimps
- Standard mounting locations for blank terminal boxes
- Power and Thermocouple connections for industry standard cables
- Maximum 15 amps per zone (exclude PICH5, 30 amp)



VC-5MTC



VC-8MTC



VC-12MTC

U Inch

Item Number	Zones	X	Y	Replacement Items	
Male Mold Thermocouple Connectors				Panel Base	Insert
VC-5MTC	5	3.268	1.26	R112-003	R112-001
VC-8MTC	8	4.055	1.26	R113-003	R113-001
VC-12MTC	12	5.118	1.26	R114-003	R114-001



VC-MPC



VC-8MPC



VC-12MPC

U Inch

Item Number	Zones	X	Y	Replacement Items	
Male Mold Power (Heater) Connectors				Panel Base	Insert
VC-5MPC	5	3.389	0.689	R115-003	R115-001 (requires PIN0114 male pins)
VC-8MPC	8	3.386	0.689		
VC-12MPC	12	3.386	0.689		

U Inch

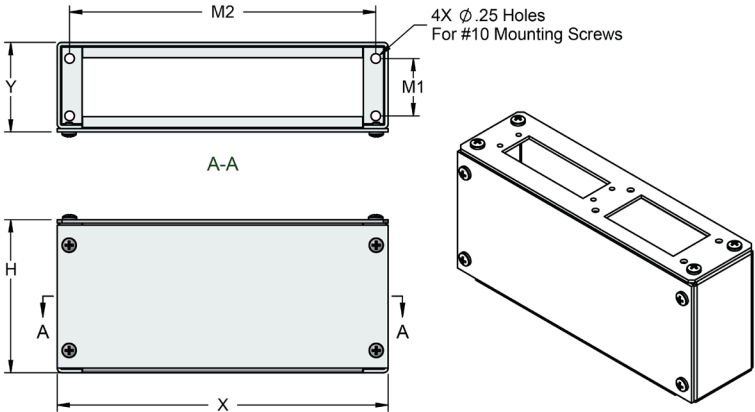
Item Number	Zones	X	Y
Male Mold Power (Heater) - High Power 30 Amp			
PICH5	3	4.331	2.56



Blank Terminal Mounting Boxes

Features

- Available 5, 8 and 12 zones
- Material: Heavy gauge steel
- Powder coated for protection
- Pre-Cut and Pre-Drilled
- 1/4" through holes, #10 mounting screws (not supplied)
- Made in the U.S.A.



U Inch

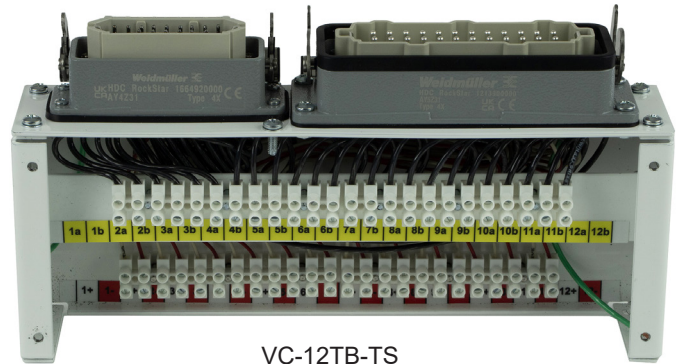
Item Number	Zones	X	Y	H	M1	M2	Accepts One Each
VC-5TB	5	8.66	2.4	4	1.5	8.01	VC-5MPC, VC-5MTC
VC-8TB	8	9.47	2.4	4	1.5	8.87	VC-8MPC, VC-8MTC
VC-12TB	12	10.53	2.4	4	1.5	9.93	VC-12MPC, VC-12MTC



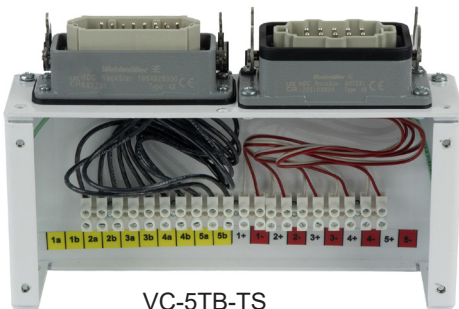
Pre-Wired Terminal Mounting Boxes

Features

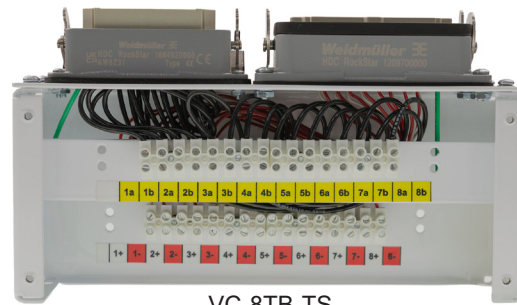
- Available 5, 8 and 12 zones
- Material: Heavy gauge steel
- Powder coated for protection
- Pre-Cut and Pre-Drilled
- 1/4" through holes, #10 mounting screws (not supplied)
- Removable panels for easy access to wiring
- Connectors are pre-wired into terminal strip for easy setup
- Made in the U.S.A.



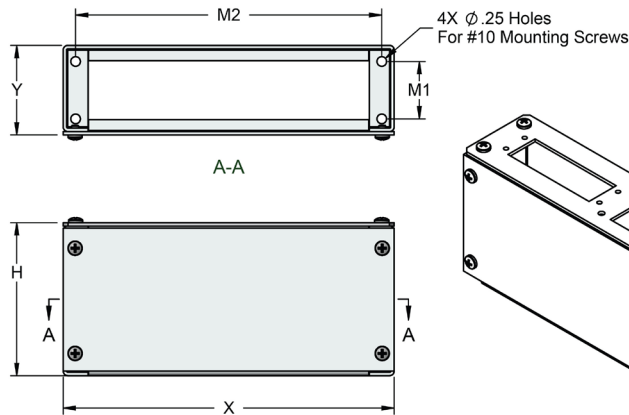
VC-12TB-TS



VC-5TB-TS



VC-8TB-TS



U Inch

Item Number	Zones	X	Y	H	M1	M2	Supplied with One Each
VC-5TB-TS	5	8.66	2.4	4	1.5	8.01	VC-5MPC, VC-5MTC
VC-8TB-TS	8	9.47	2.4	4	1.5	8.87	VC-8MPC, VC-8MTC
VC-12TB-TS	12	10.53	2.4	4	1.5	9.93	VC-12MPC, VC-12MTC



OEM Specialty Cables

Item Number	OEM Style	Zones	From 15 amp Main Controller	To Double Latch Mold End	Length
OEM Power & Thermocouple Cables					
PITC12-10	Mold Masters Style	12	12 Zone	PITC12	10 ft.
PITC12-20	Mold Masters Style	12	12 Zone	PITC12	20 ft.



PITC12-10YF



Item Number	OEM Style	Zones	From 15 amp Main Controller	To Double Latch Mold End	Length
OEM Split Combination Power & Thermocouple Cables					
PITC12-10YFE	Mold Masters Hot Runner to PCS/DME Style Controller	12	PCS Standard 5, 8, 12 Zone	PITC12	10 ft.
PITC12-20YFE	Mold Masters Hot Runner to PCS/DME Style Controller	12	PCS Standard 5, 8, 12 Zone	PITC12	20 ft.
PITC12-10YME	PCS/DME Hot Runner to Mold Master Style Controller	12	From 15 Amp mainframe(s) using HBE / HAN 48 power & thermocouple connector	VC-12MPC & VC-12MTC	10 ft.
PITC12-20YME	PCS/DME Hot Runner to Mold Master Style Controller	12	From 15 Amp mainframe(s) using HBE / HAN 48 power & thermocouple connector	VC-12MPC & VC-12MTC	20 ft.

Item Number	OEM Style	Zones	From 15 amp Main Controller	To Double Latch Mold End	Length
OEM Mold Power (Heater) Conversion Cables					
MPCE5-10	HBE10 Double Latch to PCS/DME Style	5	5, 8, 12 Zone	PICE5	10 ft.
MPCE8-10	HBE16 Double Latch to PCS/DME Style	8	5, 8, 12 Zone	PICE8	10 ft.
MPCE12-10	HBE24 Double Latch to PCS/DME Style	12	5, 8, 12 Zone	PICE12	10 ft.
MPCE5-20	HBE10 Double Latch to PCS/DME Style	5	5, 8, 12 Zone	PICE5	20 ft.
MPCE8-20	HBE16 Double Latch to PCS/DME Style	8	5, 8, 12 Zone	PICE8	20 ft.
MPCE12-20	HBE24 Double Latch to PCS/DME Style	12	5, 8, 12 Zone	PICE12	20 ft.



Item Number	OEM Style	Zones	From 15 amp Main Controller	To Double Latch Mold End	Length
OEM Thermocouple Conversion Cables					
TCE5-10	HBE10 Double Latch to PCS/DME Style	5	5, 8, 12 Zone	MTCE5	10 ft.
TCE8-10	HBE16 Double Latch to PCS/DME Style	8	5, 8, 12 Zone	MTCE8	10 ft.
TCE12-10	HBE24 Double Latch to PCS/DME Style	12	5, 8, 12 Zone	MTCE12	10 ft.
TCE5-20	HBE10 Double Latch to PCS/DME Style	5	5, 8, 12 Zone	MTCE5	20 ft.
TCE8-20	HBE16 Double Latch to PCS/DME Style	8	5, 8, 12 Zone	MTCE8	20 ft.
TCE12-20	HBE24 Double Latch to PCS/DME Style	12	5, 8, 12 Zone	MTCE12	20 ft.

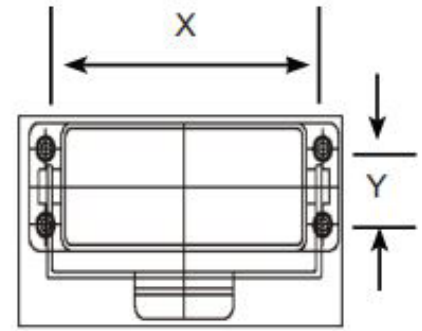


OEM Mold End Connectors

Features

- OEM Replacement
- 5, 8 and 12 zones
- Power and Thermocouple
- Mold End Connectors
- 15 Amps per zone

OEM Specialty Mold End Connectors are replacements for HBE double latch styles for 5, 8 and 12 zone both power and thermocouple. Also available is the combination 12 zone power and thermocouple connectors in single housing with a one latch plus hood.



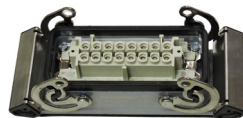
U Inch

Item Number	OEM Style	Zones	X	Y
OEM Mold Power & Thermocouple Connector				
PITC12	Mold Masters Style	12	3.86	1.260



U Inch

Item Number	OEM Style	Zones	X	Y
OEM Mold Power Connectors				
PICE5	HBE10 Double Latch Style	5	3.86	1.260
PICE8	HBE16 Double Latch Style	8	3.86	1.260
PICE12	HBE24 Double Latch Style	12	3.86	1.260



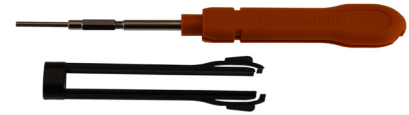
U Inch

Item Number	OEM Style	Zones	X	Y
OEM Mold Thermocouple Connectors				
MTCE5	HBE10 Double Latch Style	5	3.286	1.260
MTCE8	HBE16 Double Latch Style	8	4.055	1.260
MTCE12	HBE24 Double Latch Style	12	5.118	1.260



Replacement Items

Item Number	Description
PET0001	Pin Extraction Tool



Item Number	Description
PIN0214	Power connector Female crimp Pin insert, #14-16 AWG wire, 15A (30 pack)



Item Number	Description
PIN0114	Power connector Male crimp Pin insert, #14-16 AWG wire, 15A (30 pack)



Item Number	Description
HWCC-1	Thermocouple crimp connectors 18-22 AWG (30 pack)



Item Number	Description
HWCC-3	Power crimp connectors 14-16 AWG (30 pack)



Item Number	Description
R144-017	Thermocouple Wire end crimp ferrule-connector, #18-20 AWG wire (pack of 50)



MCS Temperature Control Systems

Features

- Softstart function
- Digital control of inputs
- Sequentially heat or cool group or individual zones
- Tool storage
- Group heating to prevent thermal imbalance
- Zone diagnostics
- Controlled heating in the event of a thermocouple failure
- Service file containing technical data
- Industry standard power and thermocouple connectors
- Leak detection

MCS hot runner controllers deliver precise, reliable temperature control for standard and high-performance hot runner systems including low-mass, slim nozzle applications. The user-friendly interface requires no prior training, allowing safe and efficient use by any operator. Integrated communication with the injection molding machine and advanced diagnostic capabilities ensure optimal performance and fast troubleshooting. Available in 6 - 36 zone models with a 7" tiltable touchscreen or 42 - 120 zone models with a 19" top-mounted touchscreen. Standard features include leak detection, soft start, tool storage, group heating, diagnostics, and press communication.



U Inch

Item Number	Zones	Voltage	Breaker Amperage	HMI Screen
MCS-6	6	240	40A	7"
MCS-12	12	240	63A	7"
MCS-18	18	240	63A	7"
MCS-24	24	240	63A	7"
MCS-30	30	240	63A	7"
MCS-36	36	240	63A	7"
MCS-42	42	240	125A	19"
MCS-48	48	240	125A	19"
MCS-54	54	240	125A	19"
MCS-60	60	240	125A	19"
MCS-66	66	240	125A	19"
MCS-72	72	240	125A	19"
MCS-78	78	240	125A	19"
MCS-84	84	240	125A	19"
MCS-90	90	240	125A	19"
MCS-96	96	240	125A	19"
MCS-102	102	240	125A	19"
MCS-108	108	240	125A	19"
MCS-114	114	240	125A	19"
MCS-120	120	240	125A	19"



MCS Temperature Control Accessories & Replacement Items



Floor Stand up to 36 zones



Power Supply



15' and 19" Touchscreen Monitor



Communication Cable

Item Number	Description
MCS-PC-00495	Touchscreen Monitor, 15"
MCS-PC-00496	Touchscreen Monitor, 19"
MCS-AU-00350	AU350 cable set touch monitor, 5m
MCS-AU-00351	AU351 cable set touch monitor, 10m
MCS-AU-00352	AU352 cable set touch monitor, 10m
MCS-AU-00119	AU119 Signal Line Digit In, 6m
MCS-AU-00109	AU109 Signal Line Digit In, 6m
MCS-ROWA-1	Floor Stand, Dimensions (W x H x D), 430 x 865 x 600 mm, maximum 36 zones
MCS-PC-00520	Touchscreen Monitor Wall Mount
MCS-PC-00487	Touchscreen Monitor Stand
MCS-88-00012	Alarm-connector, MCS 7-pol.
MCS-53-00025	Fan 80x80x25mm, 24VDC
MCS-62-00087	Fuse 16A gRL (6,3x32mm)
MCS-62-00012	Fuse 2,5A mt (5x20mm)
MCS-62-00089	Fuse 16A t (6,3x32mm)
MCS-61-00027	Fuse cap
MCS-05-00019	Triac BTA41-600B, isolated
MCS-5-LB1	LED strip 3-times RGB
MCS-67-02155	Mounting plate VESA100 for 15"/19" monitor
MCS-58-93109	Main switch, 3-line, max. 40A contact bloc and handle black 6 zones
MCS-58-110109	Main switch, 3-line, max. 63A (contact bloc and handle black)
MCS-68-00017	Housing feet, pluggable, black
MCS-99-00153	Power supply 24VDC/75W/ 3A
MCS-58-83112	Load disconnecter,3-line, 125A (contact bloc and handle black)
MCS-99-00152	Power supply 24VDC/320W/13A
MCS-BP-12231	Power board (for 6 zones)





Turn To The Industry Experts