

International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

**TC-2000 MODULAR HOT RUNNER CONTROLS SYSTEM
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Since 1984 ITC has been providing hot runner mold temperature control systems in every imaginable configuration. The information contained within is only a listing of ITC's Standard hot runner mold temperature control systems and accessories. If you cannot find something within our extensive line to meet your needs, ITC has the capability and knowledge to provide hot runner temperature control systems and accessories built to exact specifications.



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

TC-2000 MAIN FRAMES – Standard 15 amp maximum per zone

Single Zone Horizontal Control System (MFH-1)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 3-wire (2 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Single |
| Heater Voltage: | 240vac Standard (120vac Optional) |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Total System Amps @ 240v: | 15 |
| Total System Watts @ 240v: | 3,600 |
| Number of Zones: | 1 Zone |
| Construction: | Fully Digital, self contained single zone system with micro-processor control, enclosed within a sturdy one piece extruded aluminum frame, (4) rubber feet. A 3 pin male AC input socket installed on back of control box, {If a input power cord (MFH1-IPC) is not ordered with system, a 3-prong female input power plug (MFH1-IPP) will be supplied.} A 5-pin female power/thermocouple connector (1Z-FC) with latch is installed on back of control box. {If a power/thermocouple cable (PTC-1) is not ordered with system, a male cable end connector (1Z-ME) will be provided.} |
| Weight: | 7 pounds approx. Less cables |
| Dimensions: | 2" High, 7" Wide, 11.5" Deep |
| Control Features: | Industry Value Leader (Features vs. Cost) Microprocessor Based Control Method - PID Dual Digital Displays On / Off - Membrane Switch Menu Selectable Features & Alarm Settings Thermocouple Type - "J" or "K" - Lower Display Temperature Scales - "F" or "C" - Lower Display Set Point - Digital Input Zero Crossing Triac Thermocouple Isolation Cold Junction Compensation Process Temperature Display - Top Digital Display Percent of Power Display - Lower Digital Display Amperage Display - Top Digital Display (when AMP button is pressed) Heater Load Indicator - LED - Top Display Diagnostics - Open Thermocouple - Digital Display Diagnostics - Reversed Thermocouple - Digital Display Diagnostics - Shorted Thermocouple - Digital Display Diagnostics - High Amperage - Digital Display Diagnostics - Open Triac or Open Heater - Digital Display Diagnostics - Shorted Triac - Digital Display Diagnostics - High / Low Temperature - LED's - +/- 30° F Feature - High Voltage Thermocouple Protection Feature - Soft Start - Selectable Time Feature - Disable Soft Start Feature - Automatic or Manual Operation Feature - Audible Alarm Feature - Electrically Isolated Front Panel Feature - Self contained with small foot print |
| ACCESSORIES: | |
| Main Frame Connector: | 1Z-FC (Female) |
| Mold Cable: | PTC1-xx (10 or 20 ft.) - (Combination Power/Thermocouple) |
| Mold Connector: | 1Z-MC (Male) |
| Floor Stand: | PFS-1 |
| Input Power Cord: | MFH1-IPC-10 (10 ft. lg.) (Connector on Frame End only, no connector on opposite end) MFH1-IPC-20 (20 ft. lg.) (Connector on Frame End only, no connector on opposite end) (ONLY = SJO 14-3 type & style power cord must be used for Input Power) |
| Module: | None Required |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
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1 - Zone Main Frame (MF-1)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 3-wire (2 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Single |
| Heater Voltage: | 240vac Standard (120vac Optional) |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 10 |
| Total System Amps @ 240v: | 10 |
| Total System Watts @ 240v: | 2,400 |
| Number of Zones: | 1 Zone |
| Construction: | Steel frame with steel handle, air vents on bottom & side for cooling, top & bottom module insertion guides, (4) rubber feet, 3 pin male AC input socket installed on top of main frame, 3-prong input power cord plug (1Z-IPP) supplied, (<i>input power cord not supplied</i>), 5-pin female power/thermocouple connector (1Z-FC) with latch installed on top of main frame. <i>If a power/thermocouple (PTC-1) is not ordered with a main frame, a male cable end connector (1Z-ME) will be provided.</i> |
| Weight: | 7 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 7" Wide, 11.5" Deep |
| ACCESSORIES | |
| Main Frame Connector: | 1Z-FC (Female) |
| Mold Cable: | PTC1-xx (10 or 20 ft.) - (Combination Power/Thermocouple) |
| Mold Connector: | 1Z-MC (Male) |
| Floor Stand: | PFS-1 |
| Main Frame Blank Panel: | MFBP |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |

2 - Zone Main Frame (MF-2)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 3-wire (2 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Single |
| Heater Voltage: | 240vac Standard (120vac Optional) |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 10 |
| Total System Amps @ 240v: | 20 |
| Total System Watts @ 240v: | 4,800 |
| Number of Zones: | 2 Zones |
| Construction: | Steel frame with steel handle, air vents on bottom & side for cooling, top & bottom module insertion guides, (4) rubber feet, 3 pin male AC input socket installed on top of main frame, 3-prong input power cord plug (1Z-IPP) supplied, (<i>input power cord not supplied</i>), (2) 5-pin female power/thermocouple connector (1Z-FC) with latch installed on top of main frame. <i>If a power/thermocouple (PTC-1) is not ordered with a main frame, a male cable end connector (1Z-ME) will be provided.</i> |
| Weight: | 7 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 7" Wide, 11.5" Deep |
| ACCESSORIES | |
| Main Frame Connector: | 1Z-FC (Female) |
| Mold Cable: | PTC1-xx (10 or 20 ft.) - (Combination Power/Thermocouple) |
| Mold Connector: | 1Z-MC (Male) |
| Floor Stand: | PFS-1 |
| Main Frame Blank Panel: | MFBP |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

5 - Zone Main Frame (MF5-150)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 50 Amp |
| Total System Amps @ 240v: | 86.6 |
| Total System Watts @ 240v: | 20,784 |
| Number of Zones: | 5 Zones |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch (1) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 15 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 14.5" Wide, 11.5" Deep |
| <u>ACCESSORIES:</u> | |
| Mold Power Cable: | PWC5-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | THC5-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | MPC-5 (Male) |
| Mold T/C Connector: | MTC-5 (Male) |
| Mold Junction Box: | MJB-5 or MJBW-5 |
| Floor Stand: | PFS-1 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-6-5 = 6 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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TC-2000 Modular Hot Runner Control System
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8 - Zone Main Frame (MF8-150)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 50 Amp |
| Total System Amps @ 240v: | 86.6 |
| Total System Watts @ 240v: | 20,784 |
| Number of Zones: | 8 zones |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch (1) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 15 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 20.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | MPC-8 (Male) |
| Mold T/C Connector: | MTC-8 (Male) |
| Mold Junction Box: | MJB-8 or MJBW-8 |
| Floor Stand: | PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-9-8 or TP-15-8 = 9 or 15 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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TC-2000 Modular Hot Runner Control System
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8 - Zone Main Frame (MF8-170)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 70 Amp |
| Total System Amps @ 240v: | 121.2 |
| Total System Watts @ 240v: | 29,097 |
| Number of Zones: | 8 zones |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch (5) Rubber Feet Completely self contained with no external components required |
| Weight: | 15 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 20.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | MPC-8 (Male) |
| Mold T/C Connector: | MTC-8 (Male) |
| Mold Junction Box: | MJB-8 or MJBW-8 |
| Floor Stand: | PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-9-8 or TP-15-8 = 9 or 15 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

12 - Zone Main Frame (MF12-150)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 50 Amp |
| Total System Amps @ 240v: | 86.6 |
| Total System Watts @ 240v: | 20,784 |
| Number of Zones: | 12 Zones |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (1) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 20 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 28.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | MPC-12 (Male) |
| Mold T/C Connector: | MTC-12 (Male) |
| Mold Junction Box: | MJB-12 or MJBW-12 |
| Floor Stand: | PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12 or TP-30-12 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
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12 - Zone Main Frame (MF12-170)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 70 Amp |
| Total System Amps @ 240v: | 121.2 |
| Total System Watts @ 240v: | 29,097 |
| Number of Zones: | 12 Zones |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (1) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 20 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 28.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | MPC-12 (Male) |
| Mold T/C Connector: | MTC-12 (Male) |
| Mold Junction Box: | MJB-12 or MJBW-12 |
| Floor Stand: | PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12 or TP-30-12 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

12 - Zone Main Frame (MF12-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 12 Zones |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (1) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 20 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 28.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | MPC-12 (Male) |
| Mold T/C Connector: | MTC-12 (Male) |
| Mold Junction Box: | MJB-12 or MJBW-12 |
| Floor Stand: | PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12 or TP-30-12 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
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16 - Zone Main Frame (MF16-250)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (2) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (2) @ 50 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 16 Zones Qty. (2) 8 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (2) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 32 pounds approx. Less modules and cables |
| Dimensions: | 17.75" High, 20.5" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-8 (Male) |
| Mold T/C Connector: | (2) MTC-8 (Male) |
| Mold Junction Box: | (2) MJB-8 or MJBW-8 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-8 or TP-30-8 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
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16 - Zone Main Frame (MF16-170)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 70 Amp |
| Total System Amps @ 240v: | 121.2 |
| Total System Watts @ 240v: | 29,097 |
| Number of Zones: | 16 Zones Qty. (2) 8 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (2) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 32 pounds approx. Less modules and cables |
| Dimensions: | 17.75" High, 20.5" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-8 (Male) |
| Mold T/C Connector: | (2) MTC-8 (Male) |
| Mold Junction Box: | (2) MJB-8 or MJBW-8 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-8 or TP-30-8 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

16 - Zone Main Frame (MF16-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 16 Zones Qty. (2) 8 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (2) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 32 pounds approx. Less modules and cables |
| Dimensions: | 17.75" High, 20.5" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | (2) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-8 (Male) |
| Mold T/C Connector: | (2) MTC-8 (Male) |
| Mold Junction Box: | (2) MJB-8 or MJBW-8 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-8 or TP-30-8 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

20 - Zone Main Frame (MF20-250)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (2) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 H |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (2) @ 50 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 20 Zones Qty. (1) 8 Zone Main Frame Qty. (1) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (2) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 39 pounds approx. Less modules and cables |
| Dimensions: | 17.75" High, 28.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | (1) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (1) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (1) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) MPC-8 (Male) (1) MPC-12 (Male) |
| Mold T/C Connector: | (1) MTC-8 (Male) (1) MTC-12 (Male) |
| Mold Junction Box: | (1) MJB-8 or MJBW-8 (1) MJB-12 or MJBW-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12 or TP-30-12 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

20 - Zone Main Frame (MF20-170)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 70 Amp |
| Total System Amps @ 240v: | 121.2 |
| Total System Watts @ 240v: | 29,097 |
| Number of Zones: | 20 Zones Qty. (1) 8 Zone Main Frame Qty. (1) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (2) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 39 pounds approx. Less modules and cables |
| Dimensions: | 17.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (1) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (1) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (1) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) MPC-8 (Male) (1) MPC-12 (Male) |
| Mold T/C Connector: | (1) MTC-8 (Male) (1) MTC-12 (Male) |
| Mold Junction Box: | (1) MJB-8 or MJBW-8 (1) MJB-12 or MJBW-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12 or TP-30-12 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

24 - Zone Main Frame (MF24-250)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (2) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (2) @ 50 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 24 Zones Qty. (2) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (2) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 47 pounds approx. Less modules and cables |
| Dimensions: | 17.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-12 (Male) |
| Mold T/C Connector: | (2) MTC-12 (Male) |
| Mold Junction Box: | (2) MJB-12 or MJBW-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12 or TP-30-12 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

24 - Zone Main Frame (MF24-170)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 70 Amp |
| Total System Amps @ 240v: | 121.2 |
| Total System Watts @ 240v: | 29,097 |
| Number of Zones: | 24 Zones Qty. (2) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (2) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 47 pounds approx. Less modules and cables |
| Dimensions: | 17.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-12 (Male) |
| Mold T/C Connector: | (2) MTC-12 (Male) |
| Mold Junction Box: | (2) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12 or TP-30-12 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

24 - Zone Main Frame (MF24-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 24 Zones Qty. (2) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (2) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (2) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 47 pounds approx. Less modules and cables |
| Dimensions: | 17.75" High, 28.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | (2) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-12 (Male) |
| Mold T/C Connector: | (2) MTC-12 (Male) |
| Mold Junction Box: | (2) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12 or TP-30-12 = 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

28 - Zone Main Frame (MF28-350)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (3) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (3) @ 50 Amp |
| Total System Amps @ 240v: | 259.8 |
| Total System Watts @ 240v: | 62,351 |
| Number of Zones: | 28 Zones Qty. (2) 8 Zone Main Frames Qty. (1) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (3) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (3) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 51 pounds approx. Less modules and cables |
| Dimensions: | 24.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (1) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (1) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-8 (Male) (1) MPC-12 (Male) |
| Mold T/C Connector: | (2) MTC-8 (Male) (1) MTC-12 (Male) |
| Mold Junction Box: | (2) MJB-8 (1) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12, TP-30-12 or TP-45-12 = 15, 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

28 - Zone Main Frame (MF28-170)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 70 Amp |
| Total System Amps @ 240v: | 121.2 |
| Total System Watts @ 240v: | 29.097 |
| Number of Zones: | 28 Zones Qty. (2) 8 Zone Main Frames Qty. (1) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (3) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (3) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 51 pounds approx. Less modules and cables |
| Dimensions: | 27.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (1) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (1) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-8 (Male) (1) MPC-12 (Male) |
| Mold T/C Connector: | (2) MTC-8 (Male) (1) MTC-12 (Male) |
| Mold Junction Box: | (2) MJB-8 (1) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12, TP-30-12 or TP-45-12 = 15, 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

28 - Zone Main Frame (MF28-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 28 Zones Qty. (2) 8 Zone Main Frames Qty. (1) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (3) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (3) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 51 pounds approx. Less modules and cables |
| Dimensions: | 27.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (1) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (1) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) MPC-8 (Male) (1) MPC-12 (Male) |
| Mold T/C Connector: | (2) MTC-8 (Male) (1) MTC-12 (Male) |
| Mold Junction Box: | (2) MJB-8 (1) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12, TP-30-12 or TP-45-12 = 15, 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

32 - Zone Main Frame (MF32-350)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (3) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (3) @ 50 Amp |
| Total System Amps @ 240v: | 259.8 |
| Total System Watts @ 240v: | 62,351 |
| Number of Zones: | 32 Zones Qty. (1) 8 Zone Main Frames Qty. (2) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (3) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (3) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 58 pounds approx. Less modules and cables |
| Dimensions: | 27.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (1) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (2) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (2) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) MPC-8 (Male) (2) MPC-12 (Male) |
| Mold T/C Connector: | (1) MTC-8 (Male) (2) MTC-12 (Male) |
| Mold Junction Box: | (1) MJB-8 (2) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12, TP-30-12 or TP-45-12 = 15, 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

32 - Zone Main Frame (MF32-170)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 70 Amp |
| Total System Amps @ 240v: | 121.2 |
| Total System Watts @ 240v: | 29,097 |
| Number of Zones: | 32 Zones Qty. (1) 8 Zone Main Frames Qty. (2) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (3) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (3) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 58 pounds approx. Less modules and cables |
| Dimensions: | 24.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (1) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (2) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (2) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) MPC-8 (Male) (2) MPC-12 (Male) |
| Mold T/C Connector: | (1) MTC-8 (Male) (2) MTC-12 (Male) |
| Mold Junction Box: | (1) MJB-8 (2) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12, TP-30-12 or TP-45-12 = 15, 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

32 - Zone Main Frame (MF32-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 32 Zones Qty. (1) 8 Zone Main Frames Qty. (2) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (3) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (3) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 58 pounds approx. Less modules and cables |
| Dimensions: | 24.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (1) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (2) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (2) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) MPC-8 (Male) (2) MPC-12 (Male) |
| Mold T/C Connector: | (1) MTC-8 (Male) (2) MTC-12 (Male) |
| Mold Junction Box: | (1) MJB-8 (2) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-15-12, TP-30-12 or TP-45-12 = 15, 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

36 - Zone Main Frame (MF36-350)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (3) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (3) @ 50 Amp |
| Total System Amps @ 240v: | 259.8 |
| Total System Watts @ 240v: | 62,351 |
| Number of Zones: | 36 Zones Qty. (3) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (3) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (3) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 66 pounds approx. Less modules and cables |
| Dimensions: | 27.75" High, 28.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | (3) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (3) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (3) MPC-12 (Male) |
| Mold T/C Connector: | (3) MTC-12 (Male) |
| Mold Junction Box: | (3) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-30-12 or TP-45-12 = 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

36 - Zone Main Frame (MF36-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 36 Zones Qty. (3) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (3) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (3) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 66 pounds approx. Less modules and cables |
| Dimensions: | 27.75" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (3) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (3) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (3) MPC-12 (Male) |
| Mold T/C Connector: | (3) MTC-12 (Male) |
| Mold Junction Box: | (3) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-30-12 or TP-45-12 = 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

40 - Zone Main Frame (MF40-450)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (4) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (4) @ 50 Amp |
| Total System Amps @ 240v: | 346.4 |
| Total System Watts @ 240v: | 83,136 |
| Number of Zones: | 40 Zones Qty. (2) 8 Zone Main Frame Qty. (2) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (4) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (4) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 75 pounds approx. Less modules and cables |
| Dimensions: | 33.25" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (2) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (2) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) PMC-8 (Male) (2) MPC-12 (Male) |
| Mold T/C Connector: | (2) MTC-8 (Male) (2) MTC-12 (Male) |
| Mold Junction Box: | (2) MJB-8 (2) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-30-12 or TP-45-12 = 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

40 - Zone Main Frame (MF40-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 40 Zones Qty. (2) 8 Zone Main Frame Qty. (2) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (4) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (4) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 75 pounds approx. Less modules and cables |
| Dimensions: | 33.25" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (2) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (2) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (2) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (2) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (2) PMC-8 (Male) (2) MPC-12 (Male) |
| Mold T/C Connector: | (2) MTC-8 (Male) (2) MTC-12 (Male) |
| Mold Junction Box: | (2) MJB-8 (2) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-30-12 or TP-45-12 = 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

44 - Zone Main Frame (MF44-450)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (4) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (4) @ 50 Amp |
| Total System Amps @ 240v: | 346.4 |
| Total System Watts @ 240v: | 83,136 |
| Number of Zones: | 44 Zones Qty. (1) 8 Zone Main Frame Qty. (3) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (4) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (4) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 82 pounds approx. Less modules and cables |
| Dimensions: | 33.25" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (1) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (3) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (3) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) PMC-8 (Male) (3) MPC-12 (Male) |
| Mold T/C Connector: | (1) MTC-8 (Male) (3) MTC-12 (Male) |
| Mold Junction Box: | (1) MJB-8 (3) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-30-12 or TP-45-12 = 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

44 - Zone Main Frame (MF44-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 44 Zones Qty. (1) 8 Zone Main Frame Qty. (3) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (4) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (4) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 81 pounds approx. Less modules and cables |
| Dimensions: | 33.25" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (1) PWC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) (3) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) (3) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) PMC-8 (Male) (3) MPC-12 (Male) |
| Mold T/C Connector: | (1) MTC-8 (Male) (3) MTC-12 (Male) |
| Mold Junction Box: | (1) MJB-8 (3) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-30-12 or TP-45-12 = 30 or 45 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

48 - Zone Main Frame (MF48-450)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (4) Power Input Cables, one for each main frame (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | (4) @ 50 Amp |
| Total System Amps @ 240v: | 346.4 |
| Total System Watts @ 240v: | 83,136 |
| Number of Zones: | 48 Zones Qty. (4) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (4) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (4) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 88 pounds approx. Less modules and cables |
| Dimensions: | 33.25" High, 28.25" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (4) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (4) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (4) MPC-12 (Male) |
| Mold T/C Connector: | (4) MTC-12 (Male) |
| Mold Junction Box: | (4) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-30-12, TP-45-12 or TP-75-12 = 30, 45 or 75 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

48 - Zone Main Frame (MF48-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) - Requires (1) Power Input Cable for System (Not Supplied) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 15 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 48 Zones Qty. (4) 12 Zone Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (4) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (4) FCK-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 89 pounds approx. Less modules and cables |
| Dimensions: | 33.25" High, 28.25" Wide, 11.5" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | (4) PWC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (4) THC12-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (4) MPC-12 (Male) |
| Mold T/C Connector: | (4) MTC-12 (Male) |
| Mold Junction Box: | (4) MJB-12 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-30-12, TP-45-12 or TP-75-12 = 30, 45 or 75 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

TC-2000 HIGH POWER MAIN FRAMES – 30 Amp Per Zone

1 - Zone High Power Main Frame (30 Amp) (MFHP-1-130)

| | |
|-----------------------------------|---|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 30 |
| Main Frame Breaker Switch: | 30 Amp |
| Total System Amps @ 240v: | 51 |
| Total System Watts @ 240v: | 12,470 |
| Number of Zones: | 1 Zones |
| Construction: | Steel frame with steel handle, air vents on bottom for cooling, top and bottom insertion guides, 3 pin male AC input power socket installed on top of main frame, accepts any ITC temperature control module. <i>Input power cord not supplied.</i> Qty. (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty. (1) FCKHP-1PR (25 pin) – Female – Main Frame Power Connector with latch Qty. (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 12 pounds approx. Less modules and cables |
| Dimensions: | 9" High, 7" Wide, 11.5" Deep |
| ACCESSORIES | |
| Mold Cable: | PTCHP1-xx (Single zone 30 amp combination power/thermocouple cable (10 or 20 Ft.) |
| Mold Connector: | MPTCHP-1 (Male) |
| Mold Junction Box: | MJBHP-3 |
| Floor Stand: | PFS-1 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-6-5 = 6 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |
| NOTE: | Can be combined with 15 amp main frames to create a combination 15 & 30 amp system |



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International Temperature Control, Inc.
TC-2000 Modular Hot Runner Control System
System Configuration & Accessories

3 - Zone High Power Main Frame (30 Amp) (MFHP-3-150)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps Per Zone: | 30 |
| Main Frame Breaker Switch: | 50 Amp |
| Total System Amps @ 240v: | 121.2 |
| Total System Watts @ 240v: | 29,097 |
| Number of Zones: | 3 Zones |
| | Qty. (1) 3 Zone High Power Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (1) FCKHP-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 35 pounds approx. Less modules and cables |
| Dimensions: | 12" High, 14.5" Wide, 15.0" Deep |
| <u>ACCESSORIES</u> | |
| Mold Power Cable: | (1) PWCHP3-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC5-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) MPCHP-3 (Male) |
| Mold T/C Connector: | (1) MTC-5 (Male) |
| Mold Junction Box: | (1) MJBHP-3 |
| Floor Stand: | (1) PFS-5 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-6-5, or TP-9-5 = 6 or 9 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |
| NOTE: | Can be combined with 15 amp main frames to create a combination 15 & 30 amp system |



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6 - Zone High Power Main Frame (30 Amp) (MFHP-6-1100)

| | |
|-----------------------------------|--|
| System Input Voltage: | 240v AC, 4-wire (3 AC Power & 1 Ground) |
| System Input Frequency: | 50 - 60 Hz |
| System Input Power Phase: | Three |
| Heater Voltage: | 240v AC |
| Heater Power Phase: | Single |
| Maximum Amps per Zone: | 30 |
| Main Frame Breaker Switch: | 100 Amp |
| Total System Amps @ 240v: | 173.2 |
| Total System Watts @ 240v: | 41,568 |
| Number of Zones: | 6 Zones |
| | Qty. (1) 6 Zone High Power Main Frame |
| Construction: | Heavy duty welded aluminum frame, air vents on bottom with cooling fan on side, top and bottom insertion guides, accepts any ITC temperature control module. <i>Input power cord not supplied, but a cord grip is installed in main frame.</i> Qty (1) FCK-TC (25 pin) – Male – Main Frame Thermocouple Connector with latch Qty (1) FCKHP-PR (25 pin) – Female – Main Frame Power Connector with latch Qty (4) Rubber Feet Completely self contained with no external components required |
| Weight: | 45 pounds approx. Less modules and cables |
| Dimensions: | 12" High, 20.0" Wide, 15.0" Deep |
| ACCESSORIES | |
| Mold Power Cable: | (1) PWCHP6-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Male) |
| Mold Thermocouple Cable: | (1) THC8-xx (10 or 20 Ft.) (Mold Cable End - Female) (Frame Cable End - Female) |
| Mold Power Connector: | (1) MPCHP-6 (Male) |
| Mold T/C Connector: | (1) MTC-8 (Male) |
| Mold Junction Box: | (1) MJBHP-6 |
| Floor Stand: | (1) PFS-812 |
| Main Frame Blank Panel: | MFBP |
| Transformer Package: | TP-9-8, TP-15-8 or TP-30-8 = 9, 15 or 30 Kva Step Down (480 to 240vac) - <u>This Transformer size is an estimate only.</u> Use the following to determine the proper transformer size. (Total system watts divided by 1000 equals Transformer Kva) Packages are offered Wired with Stand & Casters, Fused Disconnect, Etc. |
| Module: | UATC-20 or S20-D3C |
| OPTION: | External Alarm - Require Module UATC-20C |
| NOTE: | Can be combined with 15 amp main frames to create a combination 15 & 30 amp system |



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TEMPERATURE CONTROL MODULES – for all 15 & 30 amp main frames

Temperature Control Module UATC-20

| | |
|-----------------------|--|
| Power: | 208 to 240v AC, 50-60 Hz 120 vac Is optional |
| Size: | 2" Wide, 7" High, 7.5" Deep |
| Weight: | 2 pounds approx. |
| Construction: | Aluminum face plate with flexible membrane circuit Keypad & metal handle |
| Compatibility: | ITC Modules are designed for Plug-in interchangeability with all standard main frames from other manufactures such as: DME, Athens, Enco, Etc. |
| Max. Amperage: | 16 Amps & 3600 Watts per zone (|
| Usage: | Designed to be used with any ITC 15 or 30 amp Main Frame. |
| Features: | Top of the line - Industry Value Leader (Features vs Cost) Microprocessor Based Control Method - Selectable PID or Fuzzy Algorithm Dual Digital Displays On / Off - Membrane Switch Menu Selectable Features & Alarm Settings Anti-Arcing Circuitry - can remove module under power Thermocouple Type - "J" or "K" - Lower Display Temperature Reading - "F" or "C" -Lower Display Set Point - Digital Input Zero Crossing Triac Thermocouple Isolation Cold Junction Compensation Menu Selectable Features Process Temperature Display - Top Digital Display Percent of Power Display - Lower Digital Display Amperage Display - Top Digital Display Heater Load Indicator - LED - Top Display Diagnostics - Ground Fault Sensitivity - Digital Display - Selectable Range Diagnostics - Open Thermocouple - Digital Display Diagnostics - Reversed Thermocouple - Digital Display Diagnostics - Shorted Thermocouple - Digital Display Diagnostics - High Amperage - Digital Display Diagnostics - Open Triac or Open Heater – Digital Display Diagnostics - Shorted Triac - Digital Display Diagnostics - High / Low Temperature - LED's - +/- 30° F Diagnostics - Fuse Indication - LED's Feature - High Voltage Thermocouple Protection Feature - Soft Start Cycle - LED Feature - Soft Start - Selectable Time Feature - Disable Soft Start Feature - Automatic or Manual Operation Feature - Boost Feature - Boost - Selectable Time & Power Feature - Standby Feature - Audible Alarm Feature - Shorted Triac / Heater Protection Feature - Electrically Isolated Front Panel Feature - Can be used with ITC's 15 or 30 amp Main Frames |
| OPTION: | (UATC-20C) External Alarm - Require MF-EA-OUT option on Main Frame |



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Temperature Control Module S20-D3C

| | |
|-----------------------|--|
| Power: | 208 to 240v AC, 50-60 Hz (120vac optional) 120 v AC is optional |
| Size: | 2" Wide, 7" High, 7.5" Deep |
| Weight: | 2 pounds approx. |
| Construction: | Aluminum face plate w/membrane covering & metal handle |
| Compatibility: | ITC Modules are designed for Plug-in interchangeability with all standard main frames by DME, Athens, Enco, Etc. |
| Max. Amperage: | 16 Amps & 3600 Watts per zone (Designed to be used with ITC's 15 amp and 30 amp Main Frames) |
| Usage: | Designed to be used with any ITC 15 or 30 amp Main Frame. |
| Features: | Simple & easy to use - set it and forget it Microprocessor Based Control Method - PID or Fuzzy Algorithm On / Off - Rocker Switch Anti-Arcing Circuitry Thermocouple Type - "J" or "K" - LED Indicator Temperature Reading - "F" or "C" - LED Indicator Zero Crossing Triac Thermocouple Isolation Cold Junction Compensation Set point - Pinwheel Type Process Temperature Display - Digital Percent of Power Display - Digital Amperage Display - Digital Heater Load Indicator - LED Diagnostics - Open Thermocouple - Digital Display Diagnostics - Reversed Thermocouple - Digital Display Diagnostics - Shorted Thermocouple - Digital Display Diagnostics - High Amperage - Digital Display Diagnostics - Open Triac or Open Heater - Digital Display Diagnostics - Shorted Triac - Digital Display Diagnostics - High / Low Temperature - LED's - +/- 30° Diagnostics - Fuse Indication - LED's Feature - Soft Start Cycle - LED Feature - Disable Soft Start Feature - Automatic or Manual Operation - Push/Pull Switch w/LED Feature - Electrically Isolated Front Panel Feature - Can be used with ITC's 15 or 30 amp Main Frames |



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International Temperature Control, Inc.
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PORTABLE FLOOR STANDS

1 & 2 - Zone Portable Floor Stand (PFS-1)

Use: For use with ITC's MF1, MF2, MFHP-1 & MFH-1 Main Frames
Zones: 1 & 2 Zones
Design: Heavy duty welded legs with cross bracing, sturdy shelf & (4) heavy swivel & lockable casters are supplied disassembled for UPS shipment.
Weight: 38 Pounds Approx.

5 - Zone Portable Floor Stand (PFS-5)

Use: For use with ITC's MF5 & MFHP-3 Main Frames
Zones: 5 Zones
Design: Heavy duty welded legs with cross bracing, mounting brackets & (4) heavy swivel & lockable casters are supplied disassembled for UPS shipment. Can stack up to three (3) 5-zone main frames on stand
Weight: 34 Pounds Approx.

8 & 12 - Zone Portable Floor Stand (PFS-812)

Use: For use with ITC's MF8, MF12 & MFHP-6 Main Frames
Zones: 8 & 12 Zones
Design: Heavy duty welded legs with cross bracing & (4) heavy swivel & lockable casters are supplied disassembled for UPS shipment. Can stack up to four (4) 8 or 12 zone main frames on stand
Weight: 33 Pounds Approx.

MOLD CABLES – POWER – Standard 15 Amp

5-Zone Power Cable 10 Ft. Long (PWC5-10)

Use: To connect the main frame to the power input connector on the mold
Zones: 5 Zones
Cable Length: 10 Feet
Mold Cable End Connector Kit: MEK-5PR (Female)
Frame Cable End Connector Kit: FEK-PR (Male)
Construction: ITC Power Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold Power Connector: MPC-5 (Male)
Frame Power Connector: FCK-PR (Female)
Current: 15 Amps
Weight: 4 Pounds Approx.



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5-Zone Power Cable 20 Ft. Long (PWC5-20)

Use: To connect the main frame to the power input connector on the mold
Zones: 5 Zones
Cable Length: 20 Feet
Mold Cable End Connector Kit: MEK-5PR (Female)
Frame Cable End Connector Kit: FEK-PR (Male)
Design: ITC Power Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold Power Connector: MPC-5 (Male)
Frame Power Connector: FCK-PR (Female)
Current: 15 Amps
Weight: 6 Pounds Approx.

8-Zone Power Cable 10 Ft. Long (PWC8-10)

Use: To connect the main frame to the power input connector on the mold
Zones: 8 Zones
Cable Length: 10 Feet
Mold Cable End Connector Kit: MEK-8PR (Female)
Frame Cable End Connector Kit: FEK-PR (Male)
Design: ITC Power Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold Power Connector: MPC-8 (Male)
Frame Power Connector: FCK-PR (Female)
Current: 15 Amps
Weight: 4.5 Pounds Approx.

8-Zone Power Cable 20 Ft. Long (PWC8-20)

Use: To connect the main frame to the power input connector on the mold
Zones: 8 Zones
Cable Length: 20 Feet
Mold Cable End Connector Kit: MEK-8PR (Female)
Frame Cable End Connector Kit: FEK-PR (Male)
Design: ITC Power Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold Power Connector: MPC-8 (Male)
Frame Power Connector: FCK-PR (Female)
Current: 15 Amps
Weight: 5.5 Pounds Approx.



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12-Zone Power Cable 10 Ft. Long (PWC12-10)

Use: To connect the main frame to the power input connector on the mold
Zones: 12 Zones
Cable Length: 10 Feet
Mold Cable End Connector Kit: MEK-12PR (Female)
Frame Cable End Connector Kit: FEK-PR (Male)
Design: ITC Power Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold Power Connector: MPC-12 (Male)
Frame Power Connector: FCK-PR (Female)
Current: 15 Amps
Weight: 6 Pounds Approx.

12-Zone Power Cable 20 Ft. Long (PWC12-20)

Use: To connect the main frame to the power input connector on the mold
Zones: 12 Zones
Cable Length: 20 Feet
Mold Cable End Connector Kit: MEK-12PR (Female)
Frame Cable End Connector Kit: FEK-PR (Male)
Design: ITC Power Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold Power Connector: MPC-12 (Male)
Frame Power Connector: FCK-PR (Female)
Current: 15 Amps
Weight: 7 Pounds Approx.

MOLD CABLES – HIGH POWER – 30 Amp

1 Zone 30 Amp Power Cable 10 Ft. (PTCHP1-10)

Use: To connect main frame power source to the power input connector on the mold.
Zones: 1 Zone
Cable Length: 10 Feet
Mold End Connector Kit: 1ZHP-ME (Female)
Frame End Connector Kit: 1ZHP-FE (Male)
Design: Metal construction with pins to accept latch for secure attachment
Weight: 2 Pound Approx.



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1 Zone 30 Amp Power Cable 20 Ft. (PTCHP1-20)

Use: To connect main frame power source to the power input connector on the mold.
Zones: 1 Zone
Cable Length: 20 Feet
Mold End Connector Kit: 1ZHP-ME (Female)
Frame End Connector Kit: 1ZHP-FE (male)
Design: Metal construction with pins to accept latch for secure attachment
Weight: 4 Pound Approx.

3 Zone 30 Amp Power Cable 10 Ft. (PTCHP3-10)

Use: To connect main frame power source to the power input connector on the mold.
Zones: 3 Zones
Cable Length: 10 Feet
Mold End Connector Kit: MEKHP-3PR (Female)
Frame End Connector Kit: FEKHP-3PR (male)
Design: Metal construction with pins to accept latch for secure attachment
Weight: 3 Pound Approx.

3 Zone 30 Amp Power Cable 20 Ft. (PTCHP3-20)

Use: To connect main frame power source to the power input connector on the mold.
Zones: 3 Zones
Cable Length: 20 Feet
Mold End Connector Kit: MEKHP-3PR (Female)
Frame End Connector Kit: FEKHP-3PR (male)
Design: Metal construction with pins to accept latch for secure attachment
Weight: 5 Pound Approx.

6 Zone 30 Amp Power Cable 10 Ft. (PTCHP6-10)

Use: To connect main frame power source to the power input connector on the mold.
Zones: 6 Zones
Cable Length: 10 Feet
Mold End Connector Kit: MEKHP-6PR (Female)
Frame End Connector Kit: FEKHP-6PR (male)
Design: Metal construction with pins to accept latch for secure attachment
Weight: 5 Pound Approx.



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6 Zone 30 Amp Power Cable 20 Ft. (PTCHP6-20)

Use: To connect main frame power source to the power input connector on the mold.
Zones: 6 Zones
Cable Length: 20 Feet
Mold End Connector Kit: MEKHP-6PR (Female)
Frame End Connector Kit: FEKHP-6PR (male)
Design: Metal construction with pins to accept latch for secure attachment
Weight: 7 Pound Approx.

MOLD CABLE – THERMOCOUPLE – Standard 15 Amp

5-Zone Thermocouple Cable 10 Ft. Long (THC5-10)

Use: To connect the main frame to the thermocouple input connector on the mold
Zones: 5 Zones
Cable Length: 10 Feet
Mold Cable End Connector Kit: MEK-5TC (Female)
Frame Cable End Connector Kit: FEK-TC (Female)
Design: ITC Thermocouple Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.
Connects to:
Mold T/C Connector: MTC-5 (Male)
Frame T/C Connector: FCK-TC (Male)
Current: Designed to be used with ITC's 15 & 30 amp main frames
Weight: 3.5 Pounds Approx.

5-Zone Thermocouple Cable 20 Ft. Long (THC5-20)

Use: To connect the main frame to the thermocouple input connector on the mold
Zones: 5 Zones
Cable Length: 20 Feet
Mold Cable End Connector Kit: MEK-5TC (Female)
Frame Cable End Connector Kit: FEK-TC (Female)
Design: ITC Thermocouple Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.
Connects to:
Mold T/C Connector: MTC-5 (Male)
Frame T/C Connector: FCK-TC (Male)
Current: Designed to be used with ITC's 15 & 30 amp main frames
Weight: 4.5 Pounds Approx.



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8-Zone Thermocouple Cable 10 Ft. Long (THC8-10)

Use: To connect the main frame to the thermocouple input connector on the mold
Zones: 8 Zones
Cable Length: 10 Feet
Mold Cable End Connector Kit: MEK-8TC (Female)
Frame Cable End Connector Kit: FEK-TC (Female)
Design: ITC Thermocouple Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold T/C Connector: MTC-8 (Male)
Frame T/C Connector: FCK-TC (Male)
Current: Designed to be used with ITC's 15 & 30 amp main frames
Weight: 4 Pounds Approx.

8-Zone Thermocouple Cable 20 Ft. Long (THC8-20)

Use: To connect the main frame to the thermocouple input connector on the mold
Zones: 8 Zones
Cable Length: 20 Feet
Mold Cable End Connector Kit: MEK-8TC (Female)
Frame Cable End Connector Kit: FEK-TC (Female)
Design: ITC Thermocouple Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold T/C Connector: MTC-8 (Male)
Frame T/C Connector: FCK-TC (Male)
Current: Designed to be used with ITC's 15 & 30 amp main frames
Weight: 5 Pounds Approx.

12-Zone Thermocouple Cable 10 Ft. Long (THC12-10)

Use: To connect the main frame to the Thermocouple input connector on the mold
Zones: 12 Zones
Cable Length: 10 Feet
Mold Cable End Connector Kit: MEK-12TC (Female)
Frame Cable End Connector Kit: FEK-TC (Female)
Design: ITC Thermocouple Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables.

Connects to:
Mold T/C Connector: MTC-12 (Male)
Frame T/C Connector: FCK-T/C (Male)
Current: Designed to be used with ITC's 15 & 30 amp main frames
Weight: 6.5 Pounds Approx.



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12-Zone Thermocouple Cable 20 Ft. Long (THC12-20)

| | |
|---------------------------------------|---|
| Use: | To connect the main frame to the Thermocouple input connector on the mold |
| Zones: | 12 Zones |
| Cable Length: | 20 Feet |
| Mold Cable End Connector Kit: | MEK-12TC (Female) |
| Frame Cable End Connector Kit: | FEK-TC (Female) |
| Design: | ITC Thermocouple Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables. |
| <u>Connects to:</u> | |
| Mold T/C Connector: | MTC-12 (Male) |
| Frame T/C Connector: | FCK-TC (Male) |
| Current: | Designed to be used with ITC's 15 & 30 amp main frames |
| Weight: | 7.5 Pounds Approx. |

1 & 2 ZONE MOLD COMBINATION CABLES – Standard 15 Amp

Combination Power & Thermocouple Cable 10 Ft. Long (PTC1-10)

| | |
|---------------------------------------|--|
| Use: | Combination Power & Thermocouple cables are used to transmit power and temperature readings between the mold and main frame. Each cable is capable of handling one zone only. |
| Zones: | 1 Zone |
| Cable Length: | 10 Feet |
| Mold Cable End Connector Kit: | 1Z-FC (Female) |
| Frame Cable End Connector Kit: | 1Z-ME (Male) |
| Design: | ITC Combination Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables. Cables are metal jacketed for protection. |
| <u>Connects to:</u> | |
| Mold Connector: | 1Z-MC (Male) |
| Frame Connector: | 1Z-FC (Female) |
| Current: | 15 amps |
| Weight: | 1.5 Pounds Approx. |



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Combination Power & Thermocouple Cable 20 Ft. Long (PTC1-20)

| | |
|---------------------------------------|--|
| Use: | Combination Power & Thermocouple cables are used to transmit power and temperature readings between the mold and main frame. Each cable is capable of handling one zone only. |
| Zones: | 1 Zone |
| Cable Length: | 20 Feet |
| Mold Cable End Connector Kit: | 1Z-FC (Female) |
| Frame Cable End Connector Kit: | 1Z-ME (Male) |
| Design: | ITC Combination Cables are designed to easily and securely latch with the mold and main frame connectors. Cables and connectors are engineered to ensure proper insertion of cables. Cables are metal jacketed for protection. |
| <u>Connects to:</u> | |
| Mold Connector: | 1Z-MC (Male) |
| Frame Connector: | 1Z-FC (Female) |
| Current: | 15 amps |
| Weight: | 2 Pounds Approx. |

TRANSFORMER PACKAGES – Standard 15 and 30 Amp

6 KVA Transformer Package (TP-6-5)

| | |
|--------------------------|---|
| Rating: | Step down 480 vac to 240 vac, 3-Phase, 6 KVA |
| Transformer: | Encapsulated |
| Disconnect: | 30 Amp |
| Fuse Size: | 8 Amp |
| Output Capacity: | 6,000 Watts, 25 Amps |
| Input Power Cord: | 10 feet long input cord is wired to disconnect box, opposite end has no connector |
| Main Frame: | 5 Zone Main Frame (NOTE: only if unit falls within system capacity) |
| Stand: | PFS-5 |
| Construction: | Shipped completely assembled and wired ready to attach main frame. If ordered with main frame, main frame is attached & wired. Wires between transformer, disconnect and main frame are enclosed in flexible conduit. |
| Weight: | 250 Pounds Approx. (less main frames) |

9 KVA Transformer Package (TP-9-8)

| | |
|--------------------------|---|
| Rating: | Step down 480 vac to 240 vac, 3-Phase, 9 KVA |
| Transformer: | Encapsulated |
| Disconnect: | 30 Amp |
| Fuse Size: | 12 Amp |
| Output Capacity: | 9,000 Watts, 37.5 Amps |
| Input Power Cord: | 10 feet long input cord is wired to disconnect box, opposite end has no connector |
| Main Frame: | 8 Zone Main Frame (NOTE: only if unit falls within system capacity) |
| Stand: | PFS-812 |
| Construction: | Shipped completely assembled and wired ready to attach main frame. If ordered with main frame, main frame is attached & wired. Wires between transformer, disconnect and main frame are enclosed in flexible conduit. |
| Weight: | 295 Pounds Approx. (less main frames) |



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15 KVA Transformer Package (TP-15-8)

| | |
|--------------------------|--|
| Rating: | Step down 480 vac to 240 vac, 3-Phase, 15 KVA |
| Transformer: | Cabinet Style |
| Disconnect: | 30 Amp |
| Fuse Size: | 17.5 Amp |
| Output Capacity: | 15,000 Watts, 62.5 Amps |
| Input Power Cord: | 10 feet long input cord is wired to disconnect box, opposite end has no connector |
| Main Frame: | (2) 8 Zone Main Frame (NOTE: only if unit falls within system capacity) |
| Stand: | Heavy Duty, Welded Transformer Stand w/Casters |
| Construction: | Shipped completely assembled and wired ready to attach main frame. If ordered with main frame, main frame is attached & wired. Wires between transformer, disconnect and main frame are enclosed in flexible conduit. |
| Weight: | 325 Pounds Approx. (less main frames) |

15 KVA Transformer Package (TP-15-12)

| | |
|--------------------------|--|
| Rating: | Step down 480 vac to 240 vac, 3-Phase, 15 KVA |
| Transformer: | Cabinet Style |
| Disconnect: | 30 Amp |
| Fuse Size: | 17.5 Amp |
| Output Capacity: | 15,000 Watts, 62.5 Amps |
| Input Power Cord: | 10 feet long input cord is wired to disconnect box, opposite end has no connector |
| Main Frame: | (1) 8 Zone Main Frame (NOTE: only if unit falls within system capacity) |
| Stand: | Heavy Duty, Welded Transformer Stand w/Casters |
| Construction: | Shipped completely assembled and wired ready to attach main frame. If ordered with main frame, main frame is attached & wired. Wires between transformer, disconnect and main frame are enclosed in flexible conduit. |
| Weight: | 325 Pounds Approx. (less main frames) |

30 KVA Transformer Package (TP-30-8)

| | |
|--------------------------|--|
| Rating: | Step down 480 vac to 240 vac, 3-Phase, 30 KVA |
| Transformer: | Cabinet Style |
| Disconnect: | 60 Amp |
| Fuse Size: | 35 Amp |
| Output Capacity: | 30,000 Watts, 125 Amps |
| Input Power Cord: | 10 feet long input cord is wired to disconnect box, opposite end has no connector |
| Main Frame: | (3) 8 Zone Main Frame (NOTE: only if unit falls within system capacity) |
| Stand: | Heavy Duty, Welded Transformer Stand w/Casters |
| Construction: | Shipped completely assembled and wired ready to attach main frame. If ordered with main frame, main frame is attached & wired. Wires between transformer, disconnect and main frame are enclosed in flexible conduit. |
| Weight: | 350 Pounds Approx. (less main frames) |



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30 KVA Transformer Package (TP-30-12)

| | |
|--------------------------|--|
| Rating: | Step down 480 vac to 240 vac, 3-Phase, 30 KVA |
| Transformer: | Cabinet Style |
| Disconnect: | 60 Amp |
| Fuse Size: | 35 Amp |
| Output Capacity: | 30,000 Watts, 125 Amps |
| Input Power Cord: | 10 feet long input cord is wired to disconnect box, opposite end has no connector |
| Main Frame: | (2) 12 Zone Main Frame (NOTE: only if unit falls within system capacity) |
| Stand: | Heavy Duty, Welded Transformer Stand w/Casters |
| Construction: | Shipped completely assembled and wired ready to attach main frame. If ordered with main frame, main frame is attached & wired. Wires between transformer, disconnect and main frame are enclosed in flexible conduit. |
| Weight: | 350 Pounds Approx. (less main frames) |

45 KVA Transformer Package (TP-45-12)

| | |
|--------------------------|--|
| Rating: | Step down 480 vac to 240 vac, 3-Phase, 45 KVA |
| Transformer: | Cabinet Style |
| Disconnect: | 60 Amp |
| Fuse Size: | 50 Amp |
| Output Capacity: | 45,000 Watts, 187.5 Amps |
| Input Power Cord: | 10 feet long input cord is wired to disconnect box, opposite end has no connector |
| Main Frame: | (3) 12 Zone Main Frame (NOTE: only if unit falls within system capacity) |
| Stand: | Heavy Duty, Welded Transformer Stand w/Casters |
| Construction: | Shipped completely assembled and wired ready to attach main frame. If ordered with main frame, main frame is attached & wired. Wires between transformer, disconnect and main frame are enclosed in flexible conduit. |
| Weight: | 795 Pounds Approx. (less main frames) |

75 KVA Transformer Package (TP-75-12)

| | |
|--------------------------|--|
| Rating: | Step down 480 vac to 240 vac, 3-Phase, 75 KVA |
| Transformer: | Cabinet Style |
| Disconnect: | 100 Amp |
| Fuse Size: | 80 Amp |
| Output Capacity: | 75,000 Watts, 312.5 Amps |
| Input Power Cord: | 10 feet long input cord is wired to disconnect box, opposite end has no connector |
| Main Frame: | (3) 12 Zone Main Frame (NOTE: only if unit falls within system capacity) |
| Stand: | Heavy Duty, Welded Transformer Stand w/Casters |
| Construction: | Shipped completely assembled and wired ready to attach main frame. If ordered with main frame, main frame is attached & wired. Wires between transformer, disconnect and main frame are enclosed in flexible conduit. |
| Weight: | 975 Pounds Approx. (less main frames) |



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CONNECTORS – MOLD POWER – Standard 15 Amp

5 Zone Mold Power Connector (MPC-5)

| | |
|-----------------------|---|
| Use: | Designed to mount on the mold or mold junction box and accept mold power cable from the main frame. All power connectors are physically interchangeable as they will fit any mold power cable. The difference is the number of pin pairs installed in the connector, which determines the number of zones a connector will operate. |
| Zones: | 5 Zones |
| Construction: | (10) power pins plus (1) ground pin (10) 6" power leads plus (1) ground lead with insulated crimp connectors Latch for securing power cable Male |
| Weight: | Less than 1 pound |
| Compatibility: | Compatible with other major manufacturers |

8 Zone Mold Power Connector (MPC-8)

| | |
|-----------------------|---|
| Use: | Designed to mount on the mold or mold junction box and accept mold power cable from the main frame. All power connectors are physically interchangeable as they will fit any mold power cable. The difference is the number of pin pairs installed in the connector, which determines the number of zones a connector will operate. |
| Zones: | 8 Zones |
| Construction: | (16) power pins plus (1) ground pin (16) 6" power leads plus (1) ground lead with insulated crimp connectors Latch for securing power cable Male |
| Weight: | Less than 1 pound |
| Compatibility: | Compatible with other major manufacturers |

12 Zone Mold Power Connector (MPC-12)

| | |
|-----------------------|---|
| Use: | Designed to mount on the mold or mold junction box and accept mold power cable from the main frame. All power connectors are physically interchangeable as they will fit any mold power cable. The difference is the number of pin pairs installed in the connector, which determines the number of zones a connector will operate. |
| Zones: | 12 Zones |
| Construction: | (24) power pins plus (1) ground pin (24) 6" power leads plus (1) ground lead with insulated crimp connectors Latch for securing power cable Male |
| Weight: | Less than 1 pound |
| Compatibility: | Compatible with other major manufacturers |

CONNECTORS – MOLD HIGH POWER – 30 AMP

1 Zone 30 Amp Mold (Combination Power & Thermocouple) Connector (MPTCHP-1)

| | |
|----------------------|---|
| Use: | Designed to mount on the mold or high power mold junction box and accept combination high power/thermocouple cable from main frame. |
| Zones: | 1 Zones |
| Construction: | Metal construction with latch for secure attachment |
| Weight: | 1 Pound Approx. |



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3 Zone 30 Amp Mold Power Connector (MPCHP-3)

Use: Designed to mount on the mold or high power mold junction box and accept power cable from main frame.
Zones: 3 Zones
Construction: Metal construction with latch for secure attachment
Weight: 1 Pound Approx.

6 Zone 30 Amp Mold Power Connector (MPCHP-6)

Use: Designed to mount on the mold or high power mold junction box and accept power cable from main frame.
Zones: 6 Zones
Construction: Metal construction with latch for secure attachment
Weight: 1 Pound Approx.

CONNECTORS – MOLD THERMOCOUPLE – Standard 15 Amp

5 Zone Mold Thermocouple Connector (MTC-5)

Use: Designed to mount on the mold or mold junction box and accept mold Thermocouple cable from the main frame.
Zones: 5 Zones
Construction: (10) pins plus (1) ground pin
Thermocouple pins are numbered on each connector for ease of installation
Latch for securing thermocouple cable
Male
Weight: Less than 1 pound
Compatibility: Compatible with other major manufacturers

8 Zone Mold Thermocouple Connector (MTC-8)

Use: Designed to mount on the mold or mold junction box and accept mold Thermocouple cable from the main frame.
Zones: 8 Zones
Construction: (16) pins plus (1) ground pin
Thermocouple pins are numbered on each connector for ease of installation
Latch for securing thermocouple cable
Male
Weight: Less than 1 pound
Compatibility: Compatible with other major manufacturers

12 Zone Mold Thermocouple Connector (MTC-12)

Use: Designed to mount on the mold or mold junction box and accept mold Thermocouple cable from the main frame.
Zones: 12 Zones
Construction: (24) pins plus (1) ground pin
Thermocouple pins are numbered on each connector for ease of installation
Latch for securing thermocouple cable
Male
Weight: Less than 1 pound
Compatibility: Compatible with other major manufacturers



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CONNECTORS – MAIN FRAME – POWER & T/C – Standard 15 Amp

Main Frame Power Connector – Female – For 5, 8 & 12 Zone Power Cables (FCK-PR)

Use: Mounts on the side of the main frame and latches to the Cable Frame End Kit – power (FEK-PR)
Zones: 5, 8, or 12 Zones
Construction: Steel with latch for easy and secure attachment
Weight: 1 Pound Approx.

Main Frame Thermocouple Connector – Male – For 5, 8 & 12 Zone Thermocouple Cables (FCK-TC)

Use: Mounts on the side of the main frame and latches to the Cable Frame End Kit – thermocouple (FEK-TC)
Zones: 5, 8, or 12 Zones
Construction: Steel with latch for easy and secure attachment
Weight: 1 Pound Approx.

CONNECTORS – MAIN FRAME – HIGH POWER – 30 Amp

3 Zone 30 Amp Main Frame Power Connector (FCKHP-3PR)

Use: Mounts on the side of a high power main frame and latched to the high power frame cable end kit (FEKHP-3).
Zones: 3 Zones
Construction: Metal construction with latch for secure attachment
Weight: 1 Pound Approx.

6 Zone 30 Amp Main Frame Power Connector (FCKHP-6PR)

Use: Mounts on the side of a high power main frame and latched to the high power frame cable end kit (FEKHP-6).
Zones: 6 Zones
Construction: Metal construction with latch for secure attachment
Weight: 1 Pound Approx.

MAIN FRAME POWER HARNESS – Standard 15 Amp

5 Zone Main Frame Power Harness (MF-PH5) Wire Length Sized for Main Frame

Use: To replace defective power harness assembly in 5-zone main frame
Zones: 5 Zones
Construction: Consists of FCK-PR connector with appropriate length and numbered wires with connectors on ends to attach to appropriate pins within the main frame.
Weight: Less than 1 pound



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8 Zone Main Frame Power Harness (MF-PH8) Wire Length Sized for Main Frame

Use: To replace defective power harness assembly in 8-zone main frame
Zones: 8 Zones
Construction: Consists of FCK-PR connector with appropriate length and numbered wires with connectors on ends to attach to appropriate pins within the main frame.
Weight: Less than 1 pound

12 Zone Main Frame Power Harness (MF-PH12) Wire Length Sized for Main Frame

Use: To replace defective power harness assembly in 12-zone main frame
Zones: 12 Zones
Construction: Consists of FCK-PR connector with appropriate length and numbered wires with connectors on ends to attach to appropriate pins within the main frame.
Weight: Less than 1 pound

MAIN FRAME THERMOCOUPLE HARNESS – Standard 15 Amp

5 Zone Main Frame Thermocouple Harness (MF-TH5) Wire Length Sized for Main Frame

Use: To replace defective thermocouple harness assembly in 5-zone main frame
Zones: 5 Zones
Construction: Consists of FCK-TC connector with appropriate length and numbered wires with connectors on ends to attach to appropriate pins within the main frame.
Weight: Less than 1 pound

8 Zone Main Frame Thermocouple Harness (MF-TH8) Wire Length Sized for Main Frame

Use: To replace defective thermocouple harness assembly in 8-zone main frame
Zones: 8 Zones
Construction: Consists of FCK-TC connector with appropriate length and numbered wires with connectors on ends to attach to appropriate pins within the main frame.
Weight: Less than 1 pound

12 Zone Main Frame Thermocouple Harness (MF-TH12) Wire Length Sized for Main Frame

Use: To replace defective thermocouple harness assembly in 12-zone main frame
Zones: 12 Zones
Construction: Consists of FCK-TC connector with appropriate length and numbered wires with connectors on ends to attach to appropriate pins within the main frame.
Weight: Less than 1 pound



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CONNECTOR - CABLE END KITS – MOLD - POWER & T/C – Standard 15 Amp

Mold Cable End Kit for 5 Zone Thermocouple Cable (MEK-5TC)

Use: Attaches to the end of Thermocouple Cable and connects to the mold thermocouple connector (MTC-5)
Zones: 5 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

Mold Cable End Kit for 8 Zone Thermocouple Cable (MEK-8TC)

Use: Attaches to the end of Thermocouple Cable and connects to the mold thermocouple connector (MTC-8)
Zones: 8 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

Mold Cable End Kit for 12 Zone Thermocouple Cable (MEK-12TC)

Use: Attaches to the end of Thermocouple Cable and connects to the mold thermocouple connector (MTC-12)
Zones: 12 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

Mold Cable End Kit – Power – Female – For 5, 8 & 12 Zone Power Cables (MEK-PR)

Use: Attaches to the end of Power Cable and connects to the mold power connector (MPC-5, 8, or 12)
Zones: 5, 8, or 12 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

CONNECTOR - CABLE END KITS – MAIN FRAME - POWER & T/C – Standard 15

Frame Cable End Kit – Power – Male – For 5, 8 & 12 Zone Power Cables (FEK-PR)

Use: Attaches to the end of Power Cable and connects to the frame power connector (FCK-PR)
Zones: 5, 8, or 12 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

Frame Cable End Kit – Thermocouple – Female – For 5, 8 & 12 Zone Thermocouple Cables (FEK-TC)

Use: Attaches to the end of Thermocouple Cable and connects to the frame thermocouple connector (FCK-TC)
Zones: 5, 8, or 12 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.



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CONNECTORS - CABLE END KIT – FRAME END HIGH POWER – 30 Amp

3 Zone 30 Amp Frame Cable End Kit – Power - (FEKHP-3PR)

Use: Mounts on the end of the high power cable and attached to the high power main frame power connector on the main frame (FCKHP-3PR)
Zones: 3 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

6 Zone 30 Amp Frame Cable End Kit – Power - (FEKHP-6PR)

Use: Mounts on the end of the high power cable and attached to the high power main frame power connector on the main frame (FCKHP-6PR)
Zones: 3 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

CONNECTORS - CABLE END KIT – MOLD END HIGH POWER – 30 Amp

3 Zone 30 Amp Mold Cable End Kit – Power - (MEKHP-3PR)

Use: Mounts on the end of the high power cable and attached to the high power mold power connector on the mold (MPCHP-3PR)
Zones: 3 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

6 Zone 30 Amp Mold Cable End Kit – Power - (FEKHP-6PR)

Use: Mounts on the end of the high power cable and attached to the high power mold power connector on the mold (MPCHP-6PR)
Zones: 6 Zones
Construction: Metal construction with pins to accept latch for secure attachment
Weight: 1 Pound Approx.

CONNECTORS - 1 AND 2 ZONE, Etc. – Standard 15 Amp

1 Zone Female Frame Connector (1Z-FC)

Use: Designed to mount on the main frame and accept combination cable (PTC-1)
Zones: 1 Zones
Construction: 5 pin, (2) thermocouple, (2) power, (1) ground.
Latch for securing combination Power/Thermocouple cable.
Female
Weight: Less than 1/4 pound



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1 Zone Male Mold Connector (1Z-MC)

Use: Designed to mount on the mold and accept combination cable (PTC-1)
Zones: 1 Zones
Construction: 5 pin, (2) thermocouple, (2) power, (1) ground.
Latch for securing combination Power/Thermocouple cable.
Male
Weight: Less than 1/4 pound

1 Zone Male Cable End (1Z-ME)

Use: Designed to attach to the end of the combination Power/Thermocouple Cable which connector to the main frame connector (1Z-FC).
Zones: 1 Zones
Construction: 5 pin, (2) thermocouple, (2) power, (1) ground.
Latching Pins for securing to main frame.
Male
Weight: Less than 1/4 pound

1 Zone Female Cable End (1Z-FE)

Use: Designed to attach to the end of the combination Power/Thermocouple Cable and connect to mold connector (1Z-MC).
Zones: 1 Zones
Construction: 5 pin, (2) thermocouple, (2) power, (1) ground.
Latching Pins for securing to main frame.
Female
Weight: Less than 1/4 pound

1 Zone Male Cable End 90° Bend (1Z-ME90)

Use: Designed to attach to the end of the combination Power/Thermocouple Cable and connect to the female frame connector (1Z-FC).
Zones: 1 Zones
Construction: 5 pin, (2) thermocouple, (2) power, (1) ground.
Latching Pins for securing to main frame.
Male
Weight: Less than 1/4 pound

1 Zone Male Cable End with Latch (1Z-MEL)

Use: Designed to attach to the end of combination cable in order to connect two cables together.
Zones: 1 Zones
Construction: 5 pin, (2) thermocouple, (2) power, (1) ground.
Latching Pins for securing to main frame.
Male
Weight: Less than 1/4 pound

1 Zone Female Input Power Cord Plug (1Z-IPP)

Use: Designed for the end of an input power cord to bring power to the main frame and connect to the male input power socket on top of the main frame.
Construction: 3 wire, AC molded plug.
Female
Weight: Less than 1/4 pound



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1 Zone Input Power Cord (1Z-IPC)

Use: Designed to bring 240vac power to the main frame.
Construction: 10 Ft. long, 3 conductor 12 Ga. with 1Z-IPP on one end, the other end is left blank.
Weight: Less than 1 pound

Single Zone Female Input Power Cord Plug (MFH1-IPP)

Use: Designed to attach on one end of input power cord (MFH1-IPC) which brings power to the Single Zone Cabinet (MFH-1).
CAUTION: Input power cord must be (SJ14-3)
Construction: 3 wire, AC molded plug, 240vac, single phase.
Female
Weight: Less than 1/4 pound

Single Zone Input Power Cord (MFH1-IPC)

Use: Designed to bring 240vac power to the main frame from an outside source.
Construction: 10 Ft. long, 3 conductor 14 Ga. with (MFH1-IPP) on one end, the opposite end is left blank.

JUNCTION BOX – MOLD WIRING – Standard 15 Amp – Combination Power &

5 Zone Mold Wiring Junction Box (MJB-5)

Use: Mold Wiring Junction Boxes are the most convent and economical method of mounting power and thermocouple connectors on the mold.
Zones: 5 Zones
Construction: Heavy gage steel, anodized for corrosion protection, pre-cut and drilled for hassle free mounting on the mold and installing connectors in the box. Bolted construction for convent access. *(Connectors { MTC & MPC } must be ordered separately)*
Weight: 2.5 pounds Approx.

8 Zone Mold Wiring Junction Box (MJB-8)

Use: Mold Wiring Junction Boxes are the most convent and economical method of mounting power and thermocouple connectors on the mold.
Zones: 8 Zones
Construction: Heavy gage steel, anodized for corrosion protection, pre-cut and drilled for hassle free mounting on the mold and installing connectors in the box. Bolted construction for convent access. *(Connectors { MTC & MPC } must be ordered separately)*
Weight: 3.5 pounds Approx.

12 Zone Mold Wiring Junction Box (MJB-12)

Use: Mold Wiring Junction Boxes are the most convent and economical method of mounting power and thermocouple connectors on the mold.
Zones: 12 Zones
Construction: Heavy gage steel, anodized for corrosion protection, pre-cut and drilled for hassle free mounting on the mold and installing connectors in the box. Bolted construction for convent access. *(Connectors { MTC & MPC } must be ordered separately)*
Weight: 3.5 pounds Approx.



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JUNCTION BOXES – PRE-WIRED – Std. 15 Amp – Combination Power & T/C

8 Zone Pre-wired Mold Junction Box (MJBW-8)

| | |
|----------------------|---|
| Use: | Pre-wired Mold Junction Boxes are provided complete with connectors pre-wired to numbered & color coded terminal strips, providing the most convenient and trouble free method of mounting power and thermocouple connectors on the mold. |
| Zones: | 8 Zones |
| Construction: | Heavy gage steel, powder coated for corrosion protection, pre-drilled for hassle free mounting on the mold. Bolted access plate for convenient access. MPC-8 Mold Power Connector MTC-8 Mold Thermocouple Connector Terminal Strips – Numbered and Color Coded Connectors wired to terminal strips |
| Weight: | 2.5 pounds Approx. |

12 Zone Pre-wired Mold Junction Box (MJBW-12)

| | |
|----------------------|---|
| Use: | Pre-wired Mold Junction Boxes are provided complete with connectors pre-wired to numbered & color coded terminal strips, providing the most convenient and trouble free method of mounting power and thermocouple connectors on the mold. |
| Zones: | 8 Zones |
| Construction: | Heavy gage steel, powder coated for corrosion protection, pre-drilled for hassle free mounting on the mold. Bolted access plate for convenient access. MPC-12 Mold Power Connector MTC-12 Mold Thermocouple Connector Terminal Strips – Numbered and Color Coded Connectors wired to terminal strips |
| Weight: | 2.5 pounds Approx. |

JUNCTION BOXES – MOLD WIRING – High Power 30 Amp

3 Zone 30 Amp Mold Wiring Junction Box (MJBHP-3)

| | |
|----------------------|--|
| Use: | Mold Wiring Junction Boxes are the most economical method of mounting the Power & Thermocouple connectors on the mold. |
| Zones: | 3 Zones |
| Connectors: | MPCHP-3 (Mold Power Connector – High Power) – <i>Purchased separately</i> MTC-5 (Mold Thermocouple Connector – Std.) – <i>Purchased separately</i> |
| Construction: | Heavy gage steel, anodized for corrosion protection, pre-cut and drilled for hassle free mounting on the mold and installing connectors in the box. Bolted construction for convenient access. (<i>Connectors must be ordered separately</i>) |
| Weight: | 2.5 Pound Approx. |

6 Zone 30 Amp Mold Wiring Junction Box (MJBHP-6)

| | |
|----------------------|--|
| Use: | Mold Wiring Junction Boxes are the most economical method of mounting the Power & Thermocouple connectors on the mold. |
| Zones: | 6 Zones |
| Connectors: | MPCHP-6 (Mold Power Connector – High Power) – <i>Purchased separately</i> MTC-8 (Mold Thermocouple Connector – Std.) – <i>Purchased separately</i> |
| Construction: | Heavy gage steel, anodized for corrosion protection, pre-cut and drilled for hassle free mounting on the mold and installing connectors in the box. Bolted construction for convenient access. (<i>Connectors must be ordered separately</i>) |
| Weight: | 5 Pound Approx. |



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MISCELLANEOUS ITEMS – Standard 15 Amp

Main Frame Card Guide – For 15 & 30 Amp Main Frames & Modules (MF-CG)

Use: Located on the top and bottom of the main frame, it guides the control module into place to make contact with the Card Edge Connector Kit (MF-EC)

Zones: All Main Frames

Construction: Molded Construction

Weight: .1 Pound Approx.

Card Edge Connector Kit – For all ITC 15 & 30 Amp Main Frames & Modules (MF-EC)

Use: Located on the connector mounting plate (MD-CMP) on the inside of the main frame, it accepts the contacts on the control module for transmission of power and data between the molds heaters & thermocouples and the control module.

Zones: All Main Frames

Construction: Molded Construction with (8) formed metal (MF-ECC) contact points

Weight: .1 Pound Approx.

Card Edge Connector Contact – For all ITC 15 & 30 Amp Main Frames & Modules (MF-ECC)

Use: Fits into the Card Edge Connector Kit (MF-EC). Eight (8) contacts required per Card Edge Connector Kit.

Zones: All Main Frames

Construction: Formed metal.

Weight: .1 Pound Approx.

Circuit Breaker Switch – Main Frame – 50 Amp (MF-CB50)

Use: Turns power to main frame on/off as well as providing overload protection. Mounts on front of main frame in main frame circuit breaker plate (MF-CBA503)

Zones: All Main Frames

Capacity: 50 amps

Construction: 3-pole switch, 240vac, 3-phase

Weight: 1 Pound Approx.

Circuit Breaker Switch – Main Frame – 70 Amp (MF-CB70)

Use: Turns power to main frame on/off as well as providing overload protection. Mounts on front of main frame in main frame circuit breaker plate (MF-CBA703)

Zones: All Main Frames

Capacity: 70 Amps

Construction: 3-pole switch, 240vac, 3-phase

Weight: 1 Pound Approx.



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Circuit Breaker Switch – Main Frame – 100 Amp (MF-CB100)

Use: Turns power to main frame on/off as well as providing overload protection. Mounts on front of main frame in main frame circuit breaker plate (MF-CBA1003)

Zones: All Main Frames

Capacity: 100 Amps

Construction: 3-pole switch, 240vac, 3-phase

Weight: 1 Pound Approx.

Main Frame Blank Panel (MFBP)

Use: Fits over open slots on all main frames to prevent foreign objects from being inserted into empty slots.

Zones: All Main Frames

Construction: Metal

Weight: .1 Pound Approx.

