

TEMPERATURE CONTROL SYSTEMS



All ITC's temperature control systems, associated components and accessories are ruggedly reliable, easy to use and maintain. Their simple, down-to-earth design makes them highly adaptable in ever changing manufacturing environments. Affordability, adaptability, superior features and a 2-year limited warranty equates to a quick payback, improved molding cycles, less down time, reduced operating costs and an improved bottom line.

MOLD CABLES

POWER	(AMPS)	LENGTH	THERMOCOUPLE
PWC5-10	(15)	10 ft.	THC5-10
PWC5-20	(15)	20 ft.	THC5-20
PWC8-10	(15)	10 ft.	THC8-10
PWC8-20	(15)	20 ft.	THC8-20
PWC12-10	(15)	10 ft.	THC12-10
PWC12-20	(15)	20 ft.	THC12-20
PWCHP3-10	(30)	10 ft.	
PWCHP3-20	(30)	20 ft.	
PWCHP6-10	(30)	10 ft.	
PWCHP6-20	(30)	20 ft.	

- Custom lengths and connector configurations are available upon request.



PORTABLE FLOOR STANDS

CATALOG NUMBER	USE WITH
PFS-1	MF1, MF2 & MFHP-1
PFS-5	MF5 & MFHP-3
PFS-812	MF8, MF12 & MFHP-6

- Manufactured of heavy gage steel tubing.
- Provided with swivel and lockable casters.
- Shipped unassembled.



TRANSFORMER PACKAGES

CATALOG NUMBER	STEP DOWN 480v TO 240v 3-PHASE
TP-6-5	6 kva with 5 zone stand
TP-9-8	9 kva with 8 zone stand
TP15-8	15 kva with 8 zone stand
TP15-12	15 kva with 12 zone stand
TP-30-8	30 kva with 8 zone stand
TP-30-12	30 kva with 12 zone stand
TP-45-12	45 kva with 12 zone stand

- Pre-wired and assembled.
- Includes Transformer, Welded stand with casters, Fused disconnect and 10 ft. AC input power cable (no connector on end).



MOLD CONNECTORS

POWER	(AMPS)	THERMOCOUPLE
MPC-5	(15)	MTC-5
MPC-8	(15)	MTC-8
MPC-12	(15)	MTC-12
MPCHP-3	(30)	
MPCHP-6	(30)	

- Mold Power Connectors have 6' leads with ground wire.



MPC-5

MTC-5

TEMPERATURE CONTROL SYSTEMS



1 & 2 ZONE CONNECTOR KITS (Combination Power & T/C)

CAT. NO.	(AMPS)	DESCRIPTION
1Z-ME	(15)	Cable End, Male Connector, 1 & 2 Zone
1Z-FE	(15)	Cable End, Female Connector, 1 & 2 Zone
1Z-MC	(15)	Mold Connector, Male, 1 & 2 Zone
1Z-FC	(15)	Frame Connector, Female, 1 & 2 Zone
1Z-MEL	(15)	Cable Coupler Hood, w/Latch, Male, 1 & 2 Zone
1Z-ME90	(15)	Cable End, Male Connector, 90°
1Z-IPP	(15)	Input Power Cord Plug (Female)
MPTCHP-1	(30)	Mold Connector, 1 & 2 Zone (Male) (High Power)



1 & 2 ZONE CABLES (Combination Power & T/C)

Custom lengths and connector configurations are available upon request.

CAT. NO.	(AMPS)	LENGTH
PTC1-10	(15)	10 ft long
PTC1-20	(15)	20 ft. long
PTCHP1-10	(30)	10 ft. long (High Power)
PTCHP1-20	(30)	20 ft. long (High Power)



CONNECTOR KITS

CAT. NO.	(AMPS)	DESCRIPTION
MEK-5TC	(15)	Cable, Mold End Kit, 5 Zone, Thermocouple (Female)
MEK-8TC	(15)	Cable, Mold End Kit, 8 Zone, Thermocouple (Female)
MEK-12TC	(15)	Cable, Mold End Kit, 12 Zone, Thermocouple (Female)
MEK-PR	(15)	Cable, Mold End Kit, 5, 8 & 12 Zone, Power (Female)
FEK-PR	(15)	Cable, Frame End Kit, 5, 8 & 12 Zone, Power (Male)
FEK-TC	(15)	Cable, Frame End Kit, 5, 8 & 12 Zone, Thermocouple (Female)
FCK-PR	(15)	Main Frame, Connector, 5, 8 & 12 Zone, Power (Female)
FCK-TC	(15)	Main Frame, Connector, 5, 8 & 12 Zone, Thermocouple (Male)
MF-EC	All	Card Edge Connector Kit w/Contacts - All Main Frames
MF-ECC	All	Card Edge Connector, Contacts - All Main Frames
MF-CG	All	Card Guide, 6" - All Main Frames
ABC-15	All	Module Fuse - Special Fast Blow
MEKHP-3PR	(30)	Cable, Mold End Kit, 3 Zone, Power (Female) (High Power)
MEKHP-6PR	(30)	Cable, Mold End Kit, 6 Zone, Power (Female) (High Power)
FEKHP-3PR	(30)	Cable, Frame End Kit, 3 Zone, Power (Male) (High Power)
FEKHP-6PR	(30)	Cable, Frame End Kit, 6 Zone, Power (Male) (High Power)
FCKHP-3PR	(30)	Main Frame, Connector, 3 Zone, Power (Female) (High Power)
FCKHP-6PR	(30)	Main Frame, Connector, 6 Zone, Power (Female) (High Power)

MAIN FRAME HARNESSES

➤ Main Frames, Temperature Control Modules, Cables and other components are all sold separately.

➤ Please specify Voltage and Current requirements when ordering.



MF-TH12



MF-PH12

POWER	ZONES	THERMOCOUPLE
MF-PH5	5	MF-TH5
MF-PH8	8	MF-TH8
MF-PH12	12	MF-TH12

MOLD WIRING JUNCTION BOXES



Empty

Connectors must be ordered separately.

CAT. NO.	ZONES
MJB-5	5
MJB-8	8
MJB-12	12

Pre-Wired

Pre-wired with terminal strip and connectors

CAT. NO.	ZONES
MJBW-8	8
MJBW-12	12



MAIN FRAME BLANK PANEL

CAT. NO.	FITS
MFBP	ALL 15 & 30 AMP MAIN FRAMES

➤ Standard Main Frames, Cables, etc. can be modified to accommodate your application.

➤ All modular components are "G" Series compatible.



TEMPERATURE CONTROL SYSTEMS

CATALOG NUMBER	DESCRIPTION
VCS-16-16-70	16 - Zone w / 70 amp breaker
VCS-32-18-100	18 - Zone w / 100 amp breaker
VCS-32-20-100	20 - Zone w / 100 amp breaker
VCS-32-22-100	22 - Zone w / 100 amp breaker
VCS-32-24-100	24 - Zone w / 100 amp breaker
VCS-32-26-100	26 - Zone w / 100 amp breaker
VCS-32-28-100	28 - Zone w / 100 amp breaker
VCS-32-30-100	30 - Zone w / 100 amp breaker
VCS-32-32-100	32 - Zone w / 100 amp breaker
VCS-48-34-125	34 - Zone w / 125 amp breaker
VCS-48-36-125	36 - Zone w / 125 amp breaker
VCS-48-38-125	38 - Zone w / 125 amp breaker
VCS-48-40-125	40 - Zone w / 125 amp breaker
VCS-48-42-125	42 - Zone w / 125 amp breaker
VCS-48-44-125	44 - Zone w / 125 amp breaker
VCS-48-46-125	46 - Zone w / 125 amp breaker
VCS-48-48-125	48 - Zone w / 125 amp breaker
VCS-64-50-125	50 - Zone w / 125 amp breaker
VCS-64-52-125	52 - Zone w / 125 amp breaker
VCS-64-54-125	54 - Zone w / 125 amp breaker
VCS-64-56-125	56 - Zone w / 125 amp breaker
VCS-64-58-125	58 - Zone w / 125 amp breaker
VCS-64-60-125	60 - Zone w / 125 amp breaker
VCS-64-62-125	62 - Zone w / 125 amp breaker
VCS-64-64-125	64 - Zone w / 125 amp breaker
VCS-80-66-150	66 - Zone w / 150 amp breaker
VCS-80-68-150	68 - Zone w / 150 amp breaker
VCS-80-70-150	70 - Zone w / 150 amp breaker
VCS-80-72-150	72 - Zone w / 150 amp breaker
VCS-80-74-150	74 - Zone w / 150 amp breaker
VCS-80-76-150	76 - Zone w / 150 amp breaker
VCS-80-78-150	78 - Zone w / 150 amp breaker
VCS-80-80-150	80 - Zone w / 150 amp breaker
VCS-96-82-150	82 - Zone w / 150 amp breaker
VCS-96-84-150	84 - Zone w / 150 amp breaker
VCS-96-86-150	86 - Zone w / 150 amp breaker
VCS-96-88-150	88 - Zone w / 150 amp breaker
VCS-96-90-150	90 - Zone w / 150 amp breaker
VCS-96-92-150	92 - Zone w / 150 amp breaker
VCS-96-94-150	94 - Zone w / 150 amp breaker
VCS-96-96-150	96 - Zone w / 150 amp breaker
VCS-112-98-175	98 - Zone w / 175 amp breaker
VCS-112-100-175	100 - Zone w / 175 amp breaker
VCS-112-102-175	102 - Zone w / 175 amp breaker
VCS-112-104-175	104 - Zone w / 175 amp breaker
VCS-112-106-175	106 - Zone w / 175 amp breaker
VCS-112-108-175	108 - Zone w / 175 amp breaker
VCS-112-110-175	110 - Zone w / 175 amp breaker
VCS-112-112-175	112 - Zone w / 175 amp breaker
VCS-128-114-200	114 - Zone w / 200 amp breaker
VCS-128-116-200	116 - Zone w / 200 amp breaker
VCS-128-118-200	118 - Zone w / 200 amp breaker
VCS-128-120-200	120 - Zone w / 200 amp breaker
VCS-128-122-200	122 - Zone w / 200 amp breaker
VCS-128-124-200	124 - Zone w / 200 amp breaker
VCS-128-126-200	126 - Zone w / 200 amp breaker
VCS-128-128-200	128 - Zone w / 200 amp breaker

VISIONS 3000 INTELLIGENT TEMPERATURE CONTROL SYSTEM

- Unless otherwise specified, all VISIONS 3000 systems are 240v, 3-phase.
- Systems are available for both 15 and 30 amp zones.
- VISIONS 3000 offered with standard key-pad interface or optional touch screen interface.
- Valve gate sequencing option.
- Special or larger control systems, as well as dual or low voltage systems are available upon request.



STANDARD 15 AMP MAIN FRAME

CATALOG NUMBER	DESCRIPTION
MF1	1 - Zone
MF2	2 - Zone
MF5-150	5 - Zone w / 50 amp breaker
MF8-150	8 - Zone w / 50 amp breaker
MF12-150	12 - Zone w / 50 amp breaker
MF16-250	16 - Zone w / (2) 50 amp breakers
MF16-170	16 - Zone w / 70 amp breaker
MF20-250	20 - Zone w / (2) 50 amp breakers
MF20-170	20 - Zone w / 70 amp breaker
MF24-250	24 - Zone w / (2) 50 amp breakers
MF24-170	24 - Zone w / 70 amp breaker
MF28-350	28 - Zone w / (3) 50 amp breakers
MF32-350	32 - Zone w / (3) 50 amp breakers
MF40-450	40 - Zone w / (4) 50 amp breakers
MF44-450	44 - Zone w / (4) 50 amp breakers
MF48-450	48 - Zone w / (4) 50 amp breakers

- 15 & 30 amp main frames use S20-D3C & UATC-20 control modules.
- 240v, 3-phase, except MF1 & MF2 which are 240v single phase.
- Components contained within the main frame.
- Special or larger control systems available.
- Stacks of 2 or more main frames are rigidly fastened together into a single prewired unit.



STANDARD 30 AMP MAIN FRAME

CATALOG NUMBER	DESCRIPTION
MFHP-1-130	1 - Zone w / 30 amp breaker
MFHP-3-150	3 - Zone w / 50 amp breaker
MFHP-6-1100	6 - Zone w / 100 amp breaker



(HIGH POWER)