



International Temperature Control, Inc.

The Value Leader In Hot Runner Temperature Control Systems

DATA SHEET

TC-2000 TEMPERATURE CONTROL SYSTEM WORK SHEET

INFORMATION NECESSARY INSURE THE PROPER MODULAR CONTROL SYSTEM IS PROVIDED International Temperature Control, Inc. as a provider of Hot Runner Controls since 1984 has developed a work sheet to help with developing the specifications necessary to order the proper hot runner control system.

CAUTION: Shut Off Power Before Working On Electrical Devices

INFORMATION NECESSARY TO PROPERLY ORDER A MODULAR BASED SYSTEM

1. Number of Zones to control (Main Frame Size): _____

NOTE: If a 10-zone system is required, you must use a 12-zone main frame with two blank panels

2. Maximum amperage or heater wattage:

Number of zones at 15 amps or less: _____

Total amperage for all zones which are 15 amps or less: _____

NOTE: Total actual amperage of each zone

Number of zones between 15 and 30 amps: _____

Total amperage for all zones which are between 15 and 30 amps: _____

Total System Maximum Amperage Load: _____

How to determine amperage if all you know is watts: (Voltage times Watts = amps)

3. Determine the INPUT VOLTAGE to be supplied to the system: _____

NOTE: example - 120vac, 240vac, 480vac, 600vac (240vac, 50/60 Hz is standard)

NOTE: If other than 240vac, a transformer will be required

4. Determine PHASE of input power to the system: _____

NOTE: Three Phase or Single Phase (3-Phase is standard)

5. Transformer Size (Kva) _____

To determine Kva use the following formula:

Amps times Voltage = Watts Divide by 1,000 = Kva

EXAMPLE: (50 amps x 240 volts = 12,000 watts ÷ 1,000 = 12 Kva)

6. Length of Mold Power & Mold Thermocouple Cables: (10ft. or 20ft. are standard) _____

NOTE: If other than standard configuration, provide a complete description of the cables & connectors

7. Portable Floor Stand: _____

8. Mold Junction Box: _____

9. Mold Connectors: _____

10. Select Temperature Control Module: (UATC-20 or S20-D3C) _____

COMMENTS: _____

International Temperature Control, Inc.

2415 E. Huron P.O. Box 805

Au Gres, MI 48703

U.S.A.

Ph. (989) 876-8075 Fax (989) 876-6640

E-Mail: sales@itc-controls.com