TECHNICAL SUPPORT: CURRENT LISTING OF ONLINE DOCUMENTS

Valve Gate Control Related
- Valve Gate Controller User Manual
  - VCTH-4000, 8000 Four-Zone and Eight-Zone Timer Based Hydraulic Valve Gate Controller User Manual
  - Valve Gate Controller User Manual

Air Valve Assemblies User Manual
- Air Valve Assemblies User Manual

Pressure Control Related
- IPC-01-01 Pressure Control Unit User’s Manual (625KB)
- Sensor Cables (54KB)
- Technical Literature for D-M-E Pressure Transducers - Revision 1.1 (16KB)
- A Short Tutorial on Cavity Pressure Transducers Usage 06-22-93 (25KB)

SMART SERIES® Temperature Control Related
- Temperature Control Guides Replacement Parts
  - Temperature Control Replacement Parts List (ED-0095-PL-001-H) (112KB)

Mainframes
- MFPG1, MFPG1G, MFPR2G, MFFPR2G & MFHP1G Mainframe User’s Manual (427KB)
- MFPG6, MFPG8, & MFPG12 Mainframe User’s Manual (660KB)
- MFPG6, MFPG8, & MFPG12 Mainframe User’s Manual (Chinese Version) (3.15MB)
- MFHP2G, MFHP3G, & MFHP5G High Power Mainframe User’s Manual (742KB)
- How to Calculate the Required KVA Size Needed for a D-M-E Single Phase Power Transformer (4KB)
- How to Calculate the Required KVA Size Needed for a D-M-E Three Phase Power Transformer (6KB)
- “G” Series Mainframe Replacement Parts
  - Power and Thermocouple Cables

Temperature Controls
- Old DSS-15-01, DSS-15-02 & DSS-30-02 Temperature Control Module User’s Manual (222KB)
- DSS15G Temperature Control Module User’s Manual (681KB)
- CSS-15-02 & CSS-30-02 Temperature Control Module User’s Manual (242KB)
- CSS-15 & CSS-30 Temperature Control Module User’s Manual (750KB)
- CIM-01-01 & CIM-01-02 Computer Interface Module User’s Manual (114KB)
- CIM-10-G & CIM-10-GS Computer Interface Module User’s Manual (743KB)
- SSH-10-01 & SSH-10-02 Temperature Control Unit User’s Manual (522KB)
- SSH-10-21, SSH-10-22 & ESH-10-22 Temperature Control Unit User’s Manual (427KB)
- SSH-10-11, SSH-10-12 & ESH-10-12 Temperature Control Unit User’s Manual (427KB)
- TAS-05-02 Temperature Alarm & Stand-by Heat Module User’s Manual (310KB)
- TAS-05-11, TAS-05-12 Temperature Alarm & System Control Module User’s Manual (284KB)
- SMP/CMP Microprocessor Temperature Control Modules Technical Manual (obsolete product) (1.24MB)
- SMP/CMP Calibration Procedure
  - Series 965 - 1/16 DIN Microprocessor-Based Auto-tuning Control User Manual (1.97MB)

Frequently Asked Questions - Temperature Controls
- Temperature Control Guides - Frequently asked questions
- Temperature Controls - Not Heating Up/SHI/Anti-Arc Clips Problems
- Selecting Connectors for a 2-Zone MFPR2G
- Selecting Connectors for a SSH Hookup Diagram
TECHNICAL SUPPORT: CURRENT LISTING OF ONLINE DOCUMENTS

Integrity™ Temperature Control Related
- INTEGRITY™ Control System User’s Guide

TECHNICAL SUPPORT: MISCELLANEOUS

General Transformer Rules of Thumb (Typical 3 Phase, 3 Wire Delta Type Power Connection)
- Heavy Duty Main Frame Stands required with Transformer Kits above 15 KVA.
  (1 KVA transformer rating = 1000 Watts of Resistance Heater Loads)
- Typical Modules Requirements
  15 amp 240 VAC modules rated at 3600 Watts Maximum
  10 amp 240 VAC modules rated at 2400 Watts Maximum
  5 amp 240 VAC modules rated at 1200 Watts Maximum
- Effects of Line Voltage Supply
  If resistive heater is rated 1,000 Watts at 240 Vac, its Effective Wattage will be:
    750 Watts at 208 VAC drawing 3.6 amps
    840 Watts at 220 VAC drawing 3.82 amps
    1,000 Watts at 240 VAC drawing 4.17 amps
    1,210 Watts at 264 VAC drawing 4.58 amps
- each 100 amp breaker uses 45 KVA minimum for full available power to frame
  (can supply 15 KVA or 15,000 Watts per phase, zones balanced on the 3 phases.)
  45 KVA / 12 zones = 3,750 Watts available per zone
  45 KVA / 24 zones = 1,875 Watts Average available per zone
  45 KVA / 48 zones = 937.5 Watts Average available per zone
- each 70 amp 3 phase breaker uses 30 KVA minimum for full available power to frame
  (can supply 10 KVA or 10,000 Watts per phase, zones balanced on the 3 phases.)
  30 KVA / 12 zones = 2,500 Watts Average available per zone
  30 KVA / 24 zones = 1,250 Watts Average available per zone
  30 KVA/48 zones = 625 Watts Average available per zone
- each 50 amp 3 phase breaker uses 22.5 KVA min. for full available power to frame
  (can supply 7.5 KVA or 7,500 Watts per phase, zones balanced on the 3 phases.)
  22.5 KVA /12 zones = 1875 Watts Average available per zone
  22.5 KVA /24 zones = 916 Watts Average available per zone
  22.5 KVA/48 zones = 468 Watts Average available per zone

Returning Items to D-M-E U.S. for
- Repairs
  You can send temperature control repairs and modules needing calibration to:
  
  D-M-E Repairs
  1419 State Route 45 South
  Austintown, Ohio 44010

  Please enclose contact information and a description of what problems you have been experiencing with the product. Module repairs are a fixed price. Cable and main frame repairs depend on what needs to be serviced. Warranty service is also covered via this method, however, module fuses and triacs are not covered.

- Return for Credit
  Call D-M-E USA at 1-800-626-6653 or D-M-E Canada at 1-800-387-6600 toll free

D-M-E U.S. Custom Quote Procedures
- Cables
- Special Mainframe Requirements
- Contact Customer Service at 1-800-626-6653 or email sales@dme.net