

Technical Support

TECHNICAL SUPPORT: CURRENT LISTING OF ONLINE DOCUMENTS

Visit www.dme.net under D-M-E Americas "North America". Select "Download Documents" – Product Application Guides, Frequently Asked Questions, etc. for the most current listings.

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

- MFP1G, MFP1G1, MFPR2G, MFFPR2G & MFHP1G Mainframe User's Manual (427KB)
- MFP5G, MFP8G, & MFP12G Mainframe User's Manual (660KB)
- MFP5G, MFP8G, & MFP12G 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

- SSM-15-11, SSM-15-12 & SSM-30-12 Temperature Control Module User's Manual (690KB)
- SSM-15-01, SSM-15-02 & SSM-30-02 Temperature Control Module User's Manual (447KB)
- SSM-15-01, SSM-15-02 & SSM-30-02 Temperature Control Module User's Manual (Chinese Version) (1.73MB)
- SSM-15-G & SSM-30-G SSMX-15-G & SSMX-30-G Temperature Control Module User's Manual (141KB)
- DSS-15-11, DSS-15-12 & DSS-30-12 Temperature Control Module User's Manual
- 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

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
Austinburg, 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