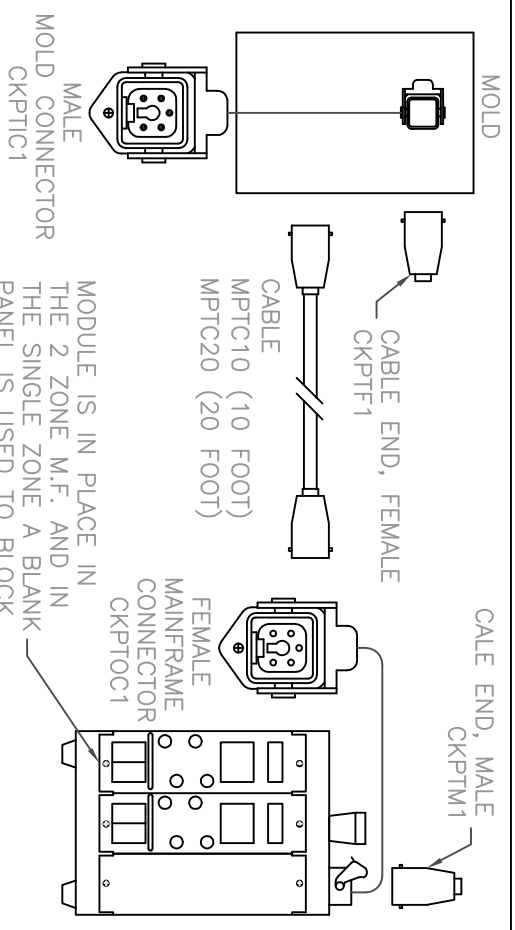


Portable Mainframe Assembly Instructions

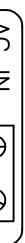
M.F., MFE and MFHPI type Mainframes

Installation and service should be performed by qualified personnel only!

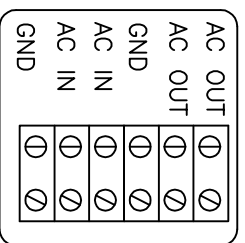


- 1) Remove the mainframe from the shipping carton. Check for damage and ensure the model is received to order.
- 2) AC IN power hookup for mainframes with clamp input and high power clamp output.
WARNING!! All systems grounds must be properly connected. The AC IN line cord must be 10AWG minimum, 3-wire type SJ or equivalent for high power and 12AWG for standard mainframe.
- 2-1) Assemble AC plug to one end of the line cord. Prepare the other end of the line cord by removing 4 inches of the jacket and stripping the wires 1/4 inch.
- 2-2) Loosen and remove the 7 screws at the rear of the mainframe. Pull the cover forward and lift out.
- 2-3) Install stripped ends of the line cord through the AC IN clamp and carefully bring the wires back to the terminal block.
- 2-4) Connect the line cord to the appropriate AC IN terminals, as shown on the diagram. Ensure the ground is properly connected and tighten the screws securely.
- 2-5) Tighten the cable clamp to secure the line cord.
- 2-6) Follow the above guide lines for the connection of the AC OUT also.
- 3) AC IN and AC OUT power hookup for units supplied with connectors.
WARNING!! All systems grounds must be properly connected. The AC IN line cord must be 12AWG minimum, 3-wire type SJ or equivalent.

- 3-1) AC IN: Assemble AC plugs to end of the line cord. These plugs will mate with the type controller supplied on the cabinet. The other end of the line cord is wired to the power source.
- 3-2) AC OUT: Note that when using the 5 pin output type connectors, the thermocouple wires are wired to the connector according to the diagram shown on the cabinet (next to the connector). When using 5 pin connectors proceed to step #5.
- 4) Thermocouple connector (if separate connectors are supplied on unit) a type "J" thermocouple male connector is provided. Use proper thermocouple extension wire when connecting to the controller. Observe that the white wire is positive and the red wire is negative.
- 5) Operating temperature range is 0 to 60°C (32 to 140°F). Refer to output specifications.
WARNING!! Place the unit on a flat surface so that air may enter the bottom vents. Do not block the sidevents or restrict the airflow at the rear of the unit. Maintain a minimum side clearance of 2 inches.



MF POWER CONNECTIONS DIAGRAM



MFH1 POWER CONNECTIONS DIAGRAM

FILE NAME: 1 PORT MF ASSY INSTRUCTIONS

