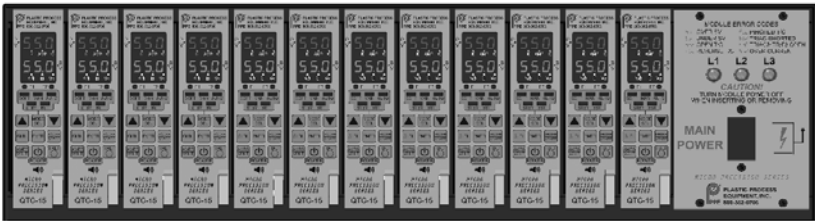




**PLASTIC PROCESS EQUIPMENT, INC.**



# QMF MAINFRAME Installation Manual



**PLASTIC PROCESS EQUIPMENT, INC.**

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## ***WARRANTY***

PPE mainframes are warranted to be free of defective material and workmanship for a period of 90 days from date of sale unless otherwise noted. Warranty does not apply to normal maintenance or wear items. This Warranty will not extend to goods subjected to misuse, abuse, neglect, accident or improper installation or maintenance, or products or goods which have been altered, modified or repaired by anyone other than seller or its authorized and approved representatives.

## ***LIABILITY***

Plastic Process Equipment, Inc.'s liability arising from, or in any way connected with, the items sold shall be limited exclusively to repair or replacement, at seller's sole option.

In no event shall seller be liable for any incidental, consequential or special damages of any kind or nature whatsoever. This includes, but is not limited to, lost profits arising from items sold, or in any way connected with this agreement. Hereunder, in tort (including without limitation, negligence, failure to warn, or strict liability).

***INSTALLATION AND SERVICE SHOULD BE  
PERFORMED BY QUALIFIED PERSONNEL  
ONLY!***

**LOCATION:**

The proper location is important for dependable service. The control systems should be located so as to allow free air movement into and out of the mainframe. Consideration should be given to allow the least exposure to heat, dust/dirt, moisture, and corrosive vapors. The front of the system must be readily accessible for set up and adjustment purposes.

It is recommended that a service disconnect switch be installed. This will provide a convenient means to completely disconnect all power from the temperature control system.

**CONNECTING INPUT POWER:**

1. Remove the input power access panel, located on the rear of the mainframe (Fig. 1a), by removing the 4 socket head screws. (7/64" hex wrench)
2. Select input cable size and configuration based on load requirements and local electrical codes. Feed the cable through the cable clamp of the panel. (Fig. 1b)
4. Strip wires and insert into the terminal block and tighten screws securely. (Label applied to the panel will indicate factory wiring setup Fig. 1b).
5. Replace the access panel.
6. Take up excess slack in the cable and secure with the strain relief clamp.
7. Route the AC input cable to a branch circuit (service) disconnect switch and connect to the fused side of the switch. Be sure the ground lead is attached to a proper earth ground.
8. Insert appropriate fuses for the main service fuse box.

Fig. 1a

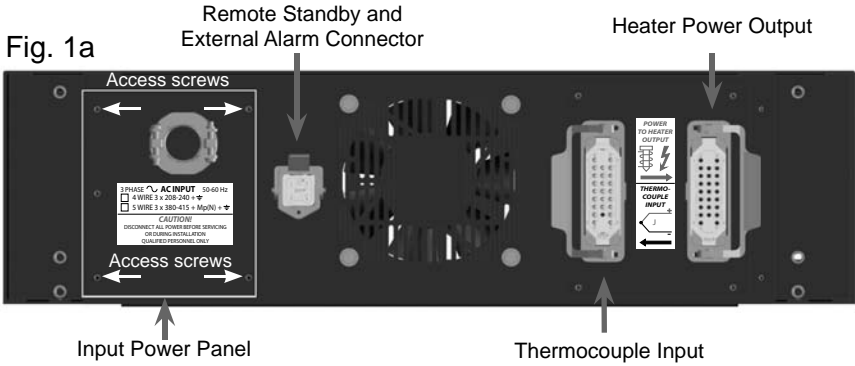
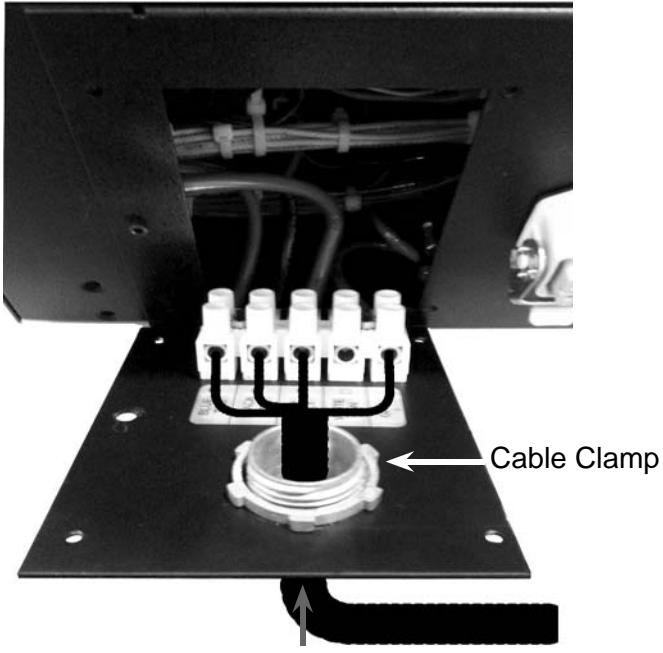


Fig. 1b



|              |               |             |             |     |
|--------------|---------------|-------------|-------------|-----|
| BLUE<br>T/L3 | BLACK<br>S/L2 | RED<br>R/L1 | NEU<br>Mp/N | GND |
|--------------|---------------|-------------|-------------|-----|

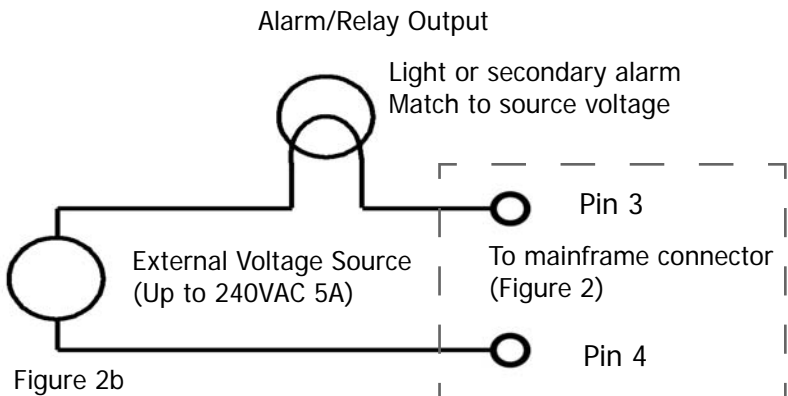
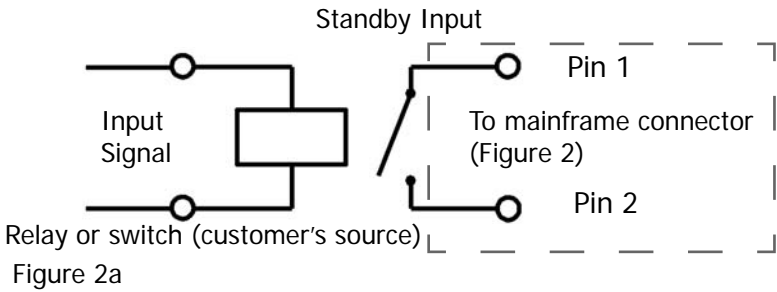
Note:  
 Domestic: L1, L2, L3 + ground  
 Export: L1, L2, L3 + Neu + ground

## Alarm/Relay Output & Remote Standby Input Connector



Figure 2

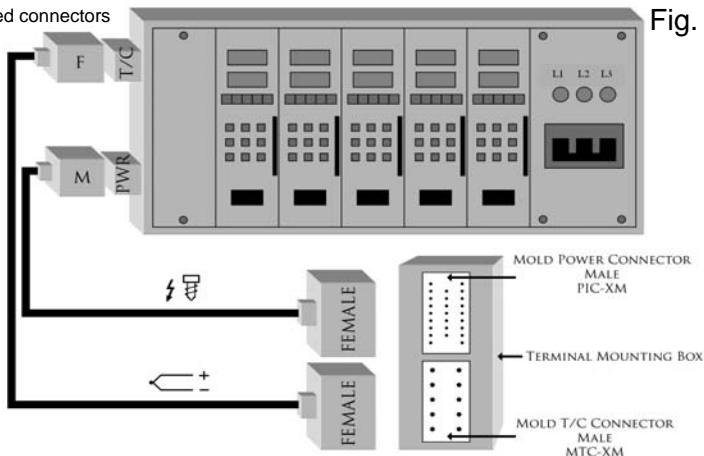
| Pin # | Function             |
|-------|----------------------|
| 1     | Remote Standby Input |
| 2     |                      |
| 3     | Alarm/Relay Output   |
| 4     |                      |



Rear or side mounted connectors

### Typical Mainframe

Fig. 3



### POWER OUTPUT CONNECTOR PINOUT

Fig. 3a



| Pin | Zone    | Pin | Zone   | Pin | Zone    |
|-----|---------|-----|--------|-----|---------|
| A1  | Zone 1  |     |        | C1  | Zone 8  |
| A2  |         | B2  | Zone 5 | C2  |         |
| A3  | Zone 2  | B3  |        | C3  | Zone 9  |
| A4  |         | B4  | Zone 6 | C4  |         |
| A5  | Zone 3  | B5  |        | C5  | Zone 10 |
| A6  |         | B6  | Zone 7 | C6  |         |
| A7  | Zone 4  | B7  |        | C7  | Zone 11 |
| A8  |         | B8  |        | C8  |         |
| A9  | Zone 12 |     |        | C9  | Zone 12 |

### THERMOCOUPLE INPUT PINOUT (MOLD SIDE)

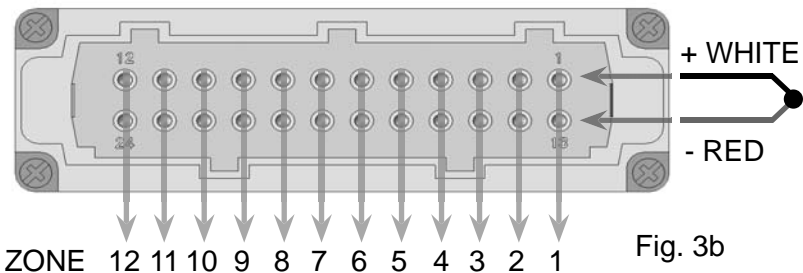


Fig. 3b



**QMF-24M**



**QMF-36M**

