

Quick Guide for Tempmaster™ M1 Plus Controller



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Main Screens and Menus



Functions:

- Monitor observe zone condition
- Control choose mode
- Navigation [Menu] button opens the Navigation screen

ToolStore Page



Description:

List of tools with names and saved settings

Utilities Page



Gives access to:

- Exit
- Config
- Export
- Quad IO

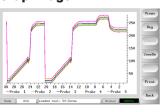
Setup Page



Description:

User can configure and alter global and specific tool parameters.

Graph Page



Description:

Displays historical record of the last 30 minutes of operation

Configure the Controller

Create a New Tool

- Choose [Menu] to open the ToolStore page.
- Choose a blank tool slot then choose [Detect].
- 3. Enter system password.
- Type in a new name for the tool.
- Choose [Enter].

Configure Control Cards

- Choose the first zone to be configured.
- 2. Choose the last zone to be configured.
- 3. Choose [Range] to include all zones in between.
- 4. Choose [Set] to see the Configure Card Slot menu.
- 5. Choose zone type: manifold, spear, monitor, special or not used.
- 6. Choose header color.
- 7. Choose [OK].
- 8. Repeat steps 1 through 4 until all zones are configured.

Note: zones populate with default values which can be accepted or changed.

Configure Tool Parameters

- 1. Choose zones of the same type.
- 2. Choose parameter.
- Choose [Set].
- 4. Set value.
- 5. Choose [Enter].

Note: see User Manual for full listing and description of tool parameters.

Configure Controller Parameters

- 1. Choose [Config] to view the global parameters.
- To view the global parameters and their current settings, choose [List].
- B. Choose setting and required option / function.
- Choose [OK] to keep the changes or choose [Cancel] to leave without making changes.

Note: see User Manual for full listing and description of global parameters.

Configure Zone Settings

- Choose the first zone to be configured.
- 2. Choose the last zone to be configured.
- 3. Choose [Range] to include all zones in between.
- 4. Choose [Set].
- 5. Set the required value.
- Choose [Enter] to keep the new setting or [Esc] to exit the screen without saving.

Set Probe and Manifold Temperatures

- 1. Choose [Set] and enter password if prompted.
- 2. Choose [Auto] and use the keypad to set a new temperature.
- Choose [Enter] to keep the new temperature or [Esc] to exit the screen without saving.

Save to the Toolbank

- 1. Choose the ToolStore page.
- Choose the required tool.
- Choose [Save].

Operate the Controller

Startup Procedure

- Use the main switch to energize the cabinet.
- After the cabinet is switched on, press the console switch until the display lights up.

Once the display screen is on, the console has two options:

- If console startup is set to **Stop**, then the tool remains at zero power, and it does not heat up.
- If the console startup is set to Startup, Standby or Run, the controller applies power to the zones so that they heat up.

Change Or Set Zone Temperatures

- 1. Choose one zone.
- 2. Choose another zone.
- 3. Choose [Range].
- 4. Choose [Set].

If prompted, enter the System password.

- 5. Choose one of the options:
 - [Set] set a new temperature
 - [Add] raise the overall temperature
 - [Sub] lower the overall temperature
- 6. Enter the required value.

The new temperature is shown on the Main page.

Change Modes - Individual Zones

- 1. Choose one or more zones.
- 2. Choose [Set] and enter password if prompted
- 3. Choose one of the following options:
 - [Set] set a new temperature
 - · [Plus] raise the overall temperature
 - [Minus] lower the overall temperature
- Enter the required value.

The new temperature is shown on the Main page.

Choose [Enter] to keep the new temperature or [Esc] to exit the screen without saving.

Change Modes - Multiple Zones

- . From the Main page, choose [**Button One**] or [**Mode**], then choose the required Mode button.
- Choose [OK] to confirm or choose [Cancel] to leave without changing settings.

Mode Options	
[Run]	Switches all zones on
[Stop]	Switches all zones off
[Standby]	Reduces temperature in all zones with Standby temperatures configured
[Startup]	Begins startup sequence configured on the Setup page
[Shutdown]	Begins switch off sequence determined by Startup mode
[Boost]	Temporarily increases temperatures in zone with Boost temperatures configured
[Purge]	Guides user through color change routine

Check Zone Performance

The controller records temperature history and displays a graph of temperature for the last 30 minute time period.

- 1. Choose up to six zones.
- 2. Choose [Graph].
- 3. Choose [Key] to expand graph size.
- Choose any of the top four [Zoom] buttons to expand the time of the temperature scale.
- Drag either scale to shift the display.

Note: once the Zoom button is used then the graph locks at that moment in time and does not update.

Shutdown Procedure

- On the Main page, choose [Stop] mode to reduce the heating to zero
- On the Utils page, choose [Exit] to shut down the console computer.
- 3. Use the main power switch to isolate all power to the whole system.

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