

TOUCHING THE
PV WINDOW

Setpoint
113
↑ ↓
OK X

Select Mode
NORMAL BOOST
STANDBY IDLE
MANUAL
OK X

TOUCHING THE
STATUS WINDOW

PV 190 °F
SP 190
22% 0.0A
NORMAL NO ALARM
⚙️ 🔧

TOUCHING THE
TOOLS / CONFIG
WINDOW

Config Type
INPUT & DISPLAY STANDBY
BOOST ALARM
PID COMM
OK ←

FROM HERE
EACH SUB-
WINDOW IS
INDICATED
BY TEXT
DESCRIPTIONS

INPUT AND
DISPLAY

Inp & Disp
BIAS INPUT TYPE
LO SP LIMIT DISPLAY UNITS
HI SP LIMIT INTERNAL TEMP
OK ←

Input Bias
0
↑ ↓
OK X
Lo SP Limit
32
↑ ↓
OK X
Hi SP Limit
999
↑ ↓
OK X
Input Type
J TC
K TC
OK X
Disp Units
DEGREES F
DEGREES C
OK X
Intrnl Temp
68
←

BOOST SETTINGS

Boost
TYPE PCT OUT SP
TIME
TEMP SP
OK ←

PID SETTINGS

PID
PROP BAND STARTUP MODE
DERIV AUTO TUNE
OK ←
Prop Band
116
↑ ↓
OK X
Derivative
4
↑ ↓
OK X
Autotune
DISABLE ONE TRY ONLY
ONCE
ENABLE
OK X
Start Mode
AUTO LAST ACTIVE
STANDBY
MANUAL
OK X

ALARM SETTINGS

Boost Type
OPEN LOOP
CLOSED LOOP
OK X
Boost Time
15 SECONDS
↑ ↓
OK X
Boost Temp
200
↑ ↓
OK X
Boost Pct
43
↑ ↓
OK X
Inhib Secs
0
↑ ↓
OK X
Hi Dev SP
30
↑ ↓
OK X
Lo Dev SP
30
↑ ↓
OK X
Curr Limit
17
↑ ↓
OK X
Alarm
INHIBIT SECONDS CURRENT LIMIT
HI DEV SP
LO DEV SP
OK ←

STANDBY
SETTINGS

Standby
TYPE
TEMP SP
PCT OUT SP
OK ←
Stby Type
OPEN LOOP
CLOSED LOOP
OK X
Stby Temp
77
↑ ↓
OK X
Stby Pct
7
↑ ↓
OK X

COMMUNICATION
SETTINGS

Comm Protcl
MODBUS
LOCAL
OK X
Comm Sys ID
1
↑ ↓
OK X
Comm Baud
4800 38400
9600
19200
OK X
Comm Modicn
NO
YES
OK X
Comm Group
TIP
MANIFLD
OTHER
OK X
Master Mode
DISABLE
ENABLE
OK X
Comm
PROTCL MOD FLOAT
SYSTEM ID USAGE GROUP
BAUD RATE MASTER MODE
OK ←

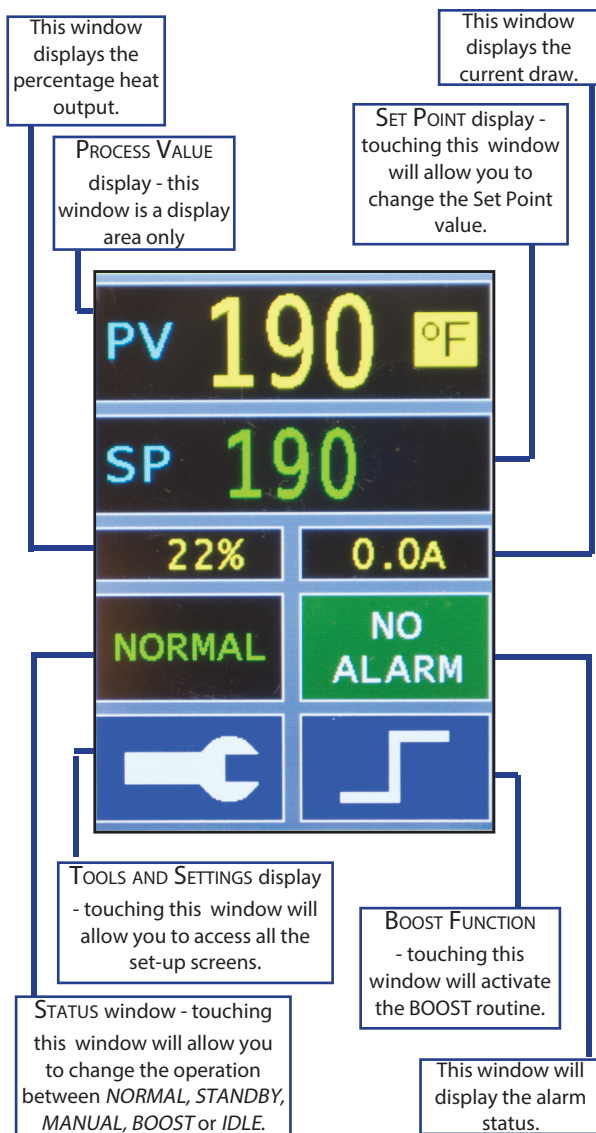
OPERATION

Touch the relevant window to access the set-up screens. On screens that require a change in value, use the **↑** or **↓** until the desired value is reached, then press **OK**. Once set, press the **←** to go back one level on the menus. Pressing **X** will cancel the operation on that screen.

SCREENS / MENU FLOW FOR RMX

KEY TO OPERATING YOUR CONTROLLER

The new RMX Modular Hot Runner controller is a microprocessor-based, single-zone temperature controller which features a modern touchscreen interface. The screen below is the 'Homescreen' and reversing back from all subscreens will return you to this screen. There follows a flowchart of the different screens that are accessible from the Homescreen. It should be noted that there are more complex set-up screens which are only available from within the Supervisor mode, but these are not described here.



INTRODUCTION

PPE's new Series RMX Modular Hot Runner controller is a microprocessor-based, single-zone temperature controller specifically designed for runnerless molding applications. The controller is fully self-tuning, with built-in diagnostics, and features an easy-to-use LCD operator touchscreen display for simultaneous process and set point displays and indicators for heat output, alarm, °F / °C, manual/closed loop mode, and CompuStep

KEY SPECIFICATIONS

Performance

Control Accuracy	±0.1°F (±0.1°C) dependent on the total thermal system
Ambient Temperature	32°F to 130°F (0°C to 55°C)
Temperature Stability	±0.5% of full scale over the ambient range of 32°F to 130°F (0°C to 55°C)
Power Response Time	Better than 200 ms

Input

Thermocouple (T/C) Sensor	Type "J" or "K" grounded or ungrounded (menu selectable)
Input Protection	Fuses, diode clamp, RC filter
Input Dynamic Range	Greater than 999°F (537°C)

Output

Voltages	240 Vac nominal, single phase 120 Vac available
Power Capability	15 amperes, 3600 watts @ 240 Vac
Ground Fault Interrupt (GFI)	Trips at 55 mA of leakage current

Controls and Indicators

Set Point Control	Two buttons up or down on touchscreen
Range	0 to 999°F (535°C)
Resolution	1°F (1°C)
Display - Color LCD	Top: 3-digit Bottom: 3-digit
Voltages	240 Vac nominal, single phase 120 Vac available



PLASTIC PROCESS EQUIPMENT, INC.

TEMPERATURE CONTROLS

1-800-362-0706

WWW.PPE.COM

QUICK REFERENCE GUIDE FOR MODEL RMX MODULAR HOT RUNNER TEMPERATURE CONTROLLER

