Another First from ZONEFIRST®

NEW

Model Z3P shown

MODEL Z3/P

Z Series Zone Control System

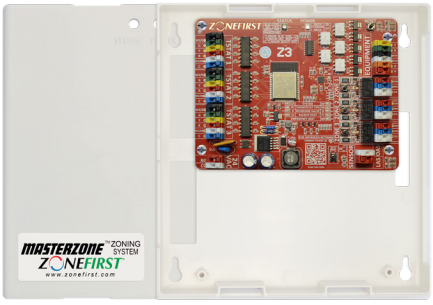
ONE MODEL LOWER COST!

THE BEST WAY TO ADD COMFORT AND ENERGY SAVINGS WITH ZONING!

The Z3P Control is a three (3) zone control panel that can be used with conventional single stage heating and cooling and heat pumps with or without dual fuel.

Z3P ADVANTAGES:

- Three zones, Heat pump compatible
- Configure options using your mobile device, via the **Zo-Fi**™ Wi-Fi interface
- No DIP switches! No jumpers!
- Single stage heating, cooling (2 heat/1 cool)
- Simple Plug-In-Play damper wiring
- Color-coded, push-in wiring terminals
- Zone test buttons and LED confirmations eliminate troubleshooting



This panel is also available as a 24V version; the Z3.

INTRODUCING Zo-Fi™:

The Z3P Zone Control System uses our built-in Wi-Fi* interface, called **Zo-Fi,**™ to configure options using your mobile device.

Scanning the QR code on the control board brings up the interface. From here it's easy to configure the panel. (All configurations shown on reverse side).

The Z3P Zone Control System uses the **Zo-Fi**™ local network to configure options using your mobile device

*NOTE: The board does not connect to the internet. Wi-Fi access is local.

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ZONEFIRST® Zonex SYSTEMS

MODEL Z3P

Zo-Fi™ Configuration Options

ADVANCED SETTINGS: The Z3P is factory set for conventional heating and cooling operation. The panel only needs to be configured when used with heat pumps or other changes need to be made. These changes can be made through the WI-FI INTERFACE.

CONFIGURATION:

Most of the panel configuration is done by connecting to the local Wi-Fi network on the Z3P. Enable the Wi-Fi network on the board by pressing the button once and the green LED will turn on. While the LED is green, head to your Wi-Fi settings on your mobile device and select the network: "ZONEFIRST Z3P". Now that you are connected to the Z3P board, open your camera and point it at the QR code located on the board. The camera will prompt you to select the link. After opening the link, you will be directed to the settings page. The local Wi-Fi network will remain active for a total of 15 minutes or until the button is pushed again. Other functions come by wiring for specific applications. Review each function for your application.

Gas/Electric
Heat Pump

SYSTEM TYPE – G/E or HP – This toggle sets the HVAC Output operation to either Gas/Electric or Heat Pump.

G/E SYSTEM HP

In G/E position, the Y1 makes as a Cool call and W1 as a Heat call.

G/E SYSTEM HP

In HP position, Y1 makes as the compressor call for both heating and cooling with respect to their reversing valve.

Heat Cool
Heat Pump

THERMOSTAT TYPE – HC or HP – This toggle determines if conventional Heat/Cool thermostats or Heat Pump thermostats are being used for ALL zones.

HC THERMOSTAT TYPE HP

In HC position, a conventional Gas/Electric thermostat would have separate W and Y output for heating and cooling calls.

HC THERMOSTAT TYPE HP

In HP position, a Heat Pump thermostat uses Y for both a heat and cool call and the O or B is used to determine whether the call is for Cooling (O) or Heating (B).

B
O

REVERSING VALVE – B or O – When using HP type thermostats this toggle determines if the B or O terminal is wired to the W/OB terminal on each thermostat to determine if the call if for Heat (B) or Cool (O).

B REVERSING VALVE O

In B position, reversing valve will energize for heat.

B REVERSING VALVE O

In O position, reversing valve will energize for cool.

ES FF

BACKUP HEAT – ES or FF – This toggle is used to determine the equipment output when the System Type is set to Heat Pump.

ES BACKUP HEAT FF

In ES position, the emergency heat electric strip will only turn on with a call for heat.

ES BACKUP HEAT FF

In FF position, the emergency heat fossil (dual) fuel will turn on and turn off the main call for heat.

OFF
EMERGENCY HEAT ON

ON
EMERGENCY HEAT ON

EMERGENCY HEAT – This switch sets any heat call to call for the emergency heat. The Emergency Heat LED on the panel will light only when this switch is ON. This is used when there is no Emergency Heat switch on the thermostats.

LAS
OAS
A2L

SENSOR TYPE – LAS or OAS or A2L – This switch allows you to change the type of sensor you can use at a time.

- LAS (Leaving Air Sensor) is used for adding a safety temperature sensor in your duct.
- OAS (Outdoor Air Sensor) is used for Heat Pumps that have a backup fossil fuel source in the event of colder temperatures.
- A2L is used for newer systems that have a refrigerant leak sensor (NO/NC).

OFF ON

TEST MODE – This switch accelerates the panel timings in order to provide a quick checkout of all functions without having to wait the full time for each sequence. This allows you to run tests on the panel without waiting for excess amounts of time.

OFF ON

FAN IN HEAT – This switch will activate the fan on a call for heat.

OFF ON

FAN IN PURGE – This switch will activate the fan during a purge call at the end of each heat or cool call.

OFF ON

COMPRESSOR MINIMUM ON TIMER – The Z3P has a minimum on time whenever the compressor operates in order to prevent frequent short cycling. Once there is a call for cooling or the compressor on a heat pump, the Z3P will hold that call for a period of 5 minutes if this feature is ON.

Compressor Minimum On Time: 1 minutes

Compressor Minimum On Time: 5 minutes

When enabled, a slider will be available to toggle the time anywhere from 1 minute to 5 minutes with 1 minute intervals.

OFF ON

CHANGEOVER TIMER – Whenever a call is made for either heating or cooling, the changeover timer is activated to track the amount of time heating or cooling is on. When an opposite call is made after a first call is existing, the changeover timer calculates the amount of time the unit has already been supplying the first mode to determine how long it will hold off the opposite call. If an opposite call is made shortly after the first call, the opposite call may be held off for as much as 30 minutes. If a call has been operating for up to 30 minutes and an opposite call comes in after 30 minutes, the changeover timer will immediately recognize the opposite call, shutting off the current mode, enter the purge mode and automatically switch to the opposite mode. The Changeover Timer can be set anywhere between 10 and 30 minutes using the slider.

ChangeOver Value: 10

ChangeOver Value: 30

OFF ON

ZONE ALONE (Eliminates Zoning) – The zone one (1) thermostat becomes the controlling thermostat for the entire system. During long unoccupied periods, one thermostat (Z1) can be set back versus adjusting each zone thermostat on the system. All dampers are opened and all calls for heat, cool or fan are made from the zone one (1) thermostat. All other zone thermostats are locked out.