

Thermostat Instruction Sheet

TH-DSP3Z Premier Heater Controller

WARNING



To avoid electrical shock or damage to equipment, disconnect all power before installing or servicing.

Specifications

Operation: Two stage & single stage options

Purpose: Operation of appliances with high/low switching in two stage and positive off when using single stage controller

Electrical Rating: 24 V switching, 3 A max. @ 250 V/6.25 A max. @ 120 V per button

Contact Action: Momentary

Face Plate Dimensions: 7.5" x 9.5" x 0.125"

Box Dimensions: 8.0625" W x 6" H x 4" D

Features: 1-hour backup timer with override, heater fault indicator, & adjustable timer duration (30, 60, or 120 mins.)

Figure 1 • TH-DSP3Z Controller



Installation Instructions

Must be mounted to the provided electrical junction box or equivalent junction box suitable for the application.

Chart 1 • Button Operation & Status

RING COLOR	STATUS	ACTION
Off	Heater Off	Default*
Light Blue	Low Fire	1 Button Press
Dark Blue	High Fire	2 Button Presses - Additional press returns to low fire
Red	Timers Overridden	Hold buttons 1 and 2 for 3 seconds. To cancel override, press any button
Yellow	Heater Fault	Service Heater

* Timer will expire after 1 hour. To turn heater off prior, hold button for 1 second.

To Adjust Timer Duration:

- 1 Enter Configuration Mode by pressing and holding the Heater 1 and Heater 3 buttons for 5 seconds. When Configuration Mode has successfully been enabled, the rings on the Heater 1 and Heater 3 buttons will start blinking red, and the buttons can be released.
- 2 The Heater 2 button will blink to show the current configuration. See Chart 2 below.
- 3 To decrease time, press the Heater 1 button. To increase time, press the Heater 3 button. Once the desired time has been selected, press and release the Heater 2 button. The device will power cycle, and new settings will take effect.
- 4 To exit this mode without any changes, press reset on the PCB (nothing will be saved) or power cycle the device (nothing will be saved).

Chart 2 • Timer Duration Status Colors

RING COLOR	OFF DELAY	DESCRIPTION
White	30	Channel(s) will turn off after 30 minutes
Green	60	Channel(s) will turn off after 60 minutes
Red	120	Channel(s) will turn off after 120 minutes
Yellow	None	Channel(s) will stay on

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Figure 2 • Field Wiring Diagram - Controlling multiple heaters with a single control device

