

OTH24

Low Voltage Non Programmable Electronic Thermostat (2 outputs)



OTH24-AFR

Low Voltage Programmable Electronic Thermostat (2 outputs)



Features

Type

- Low voltage electronic thermostat.

Color

- Standard: white.

Voltage

- 24Vac, 50/60 Hz.

Power

- 1A per output (2 outputs).

Mode

• First output (main):

A mode: Ambient temperature control.

Note: Floor temperature can be controlled using an external temperature sensor when a floor heating cable is used as the heating source.

F mode: Floor temperature control using an external temperature sensor with ability to control the ambient temperature.

• Second output (auxiliary):

The second output is activated if the first heating system controlled by the first output cannot reach the temperature setpoint.

Control

- 15-second cycle or 5, 10, 15, 20, 25, 30-minute cycle (individually adjustable on each output).
- Adjustment of the minimum Time ON and minimum Time OFF on the main output. Defines the minimum time for which the output

- can be turned ON or turned OFF (used for heating system with a purge).
- Pump exercise OFF/ON (if set to ON, the thermostat activates its main output for 1 minute every 24 hours to prevent pump from seizing).
- Resolution: 0.5 °C (1 °F).

Display

- Digital display of ambient temperature (°C or °F), heating level indicator and temperature setpoint.
- Backlit - permanent or activated on request.
- Temperature setting recorded permanently.

Temperature range

- 5 °C to 36 °C (41 °F to 97 °F).

Storage Temperature

- -20 °C to 50 °C (-4 °F to 158 °F).

Installation

- 3-wire thermostat (minimum).

Application

- 2 low voltage outputs that can be connected using a 24V relay and a transformer to control electric baseboard heaters, convectors, forced-air convectors, electric heating floors, water pumps and boilers. *Note:* Select the cycle according to the type of heating.

Warranty

- 3-year warranty against defects.

OTH24-AFR Features

Configuration

- "Installer" configuration menu used to lock certain thermostat functions with a 4-digit code. Ideal for restricting access to programming functions or to the temperature setpoint.

Mode

• First output (main):

P mode: Proportional control with fixed cycle rate. This mode works without using a temperature sensor (ideal for controlling radiant heating units).

- "Boost" (timer) function on the auxiliary output (only available in Ambient or Proportional mode).

Program

- 4 programming modes:
 - No freeze: The thermostat maintains a temperature setpoint of 5 °C (41 °F).
 - Manual: All settings must be adjusted manually.
 - Automatic: The thermostat automatically changes the temperature settings according to the programmed settings:
 - "5-2": One program for weekdays and one for the weekend.
 - "7": A different program for every day of the week.
 - Off (Sleep mode).

Models

Product #	Description	Amp.	Volts
OTH24	Low voltage non programmable electronic thermostat (2 outputs)	1A	24
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