

HotelTech

INNOVATIVE PRODUCTS DESIGNED FOR THE HOSPITALITY INDUSTRY

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OPTIMAX[®] MODEL HT120A3 Thermostat, 120V, All Colors

GENERAL DESCRIPTION:

This is a digital, mercury-free, electronic thermostat for the hospitality industry. It has been designed to be intuitive and easy to use for guests and to have special modes built in for qualified engineers to customize features according to their HVAC system and to their property's energy conservation requirements.

This device offers control for heating, cooling or heating-cooling systems. The fan button is for air circulation and allows automatic or manual control of multiple fan speeds.

SPECIFICATIONS:

Input Voltage	120V AC
Temperature Range	15°F to 99°F (-9°C to 37°C)
Temperature Setting Range	60°F to 90°F (15°C to 32°C)
Temperature Limits	Heating: From 78° to 84°F (26° to 29°C) Cooling: From 64° to 70°F (18° to 21°C)
Accuracy	+/- 1.5°F (1.0°C)
Load Ratings	Heat, Cool: Not to exceed 2A pilot duty @ 120VAC Fan: 1/6 HP or less @ 120VAC; Not to exceed 4.4 FLA (full load amps) and/or 26 LRA (locked rotor amps)
Approvals	Certified to meet UL and CSA standards
Display	Black Liquid Crystal Display 3" w x 1-1/4" h
Dimensions	4.5" w x 5" l x 1" h (12.0cm x 13.0cm x 2.5cm)
Mounting	Std 1- or 2-ganged, or 4" square junction box
Heat-Cool Control	Auto heat-cool changeover 4°F (2°C) Deadband between heat and cool 1 heat circuit, 1 cool circuit, Pilot duty Up to 3 minute dwell time for equipment protection Dwell times overridden when user presses buttons
Fan Control	Manual or automatic control of up to two speeds Auto cycling is default fan mode (adjustable)
Features	Special modes for qualified engineers to customize features according to their HVAC system and to their property's energy conservation requirements

ENVIRONMENT FOR PRODUCT USE:

This product is for indoor use in a general purpose room environment. Contact supplier for products intended for use in all other environments (e.g. pool areas, bathrooms, entry ways, etc.).

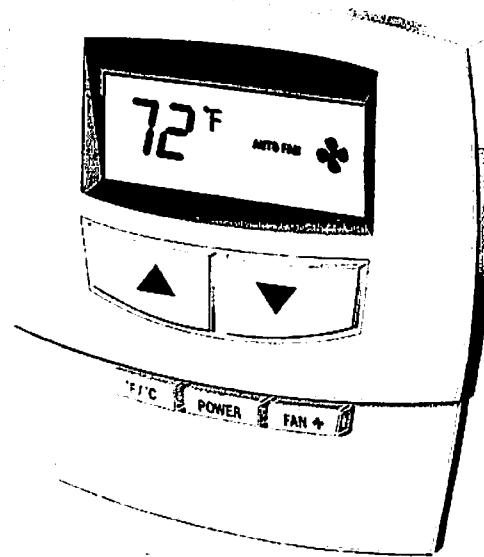
This product is intended for use in areas that have good air quality and free of heavy dust; not for areas that are undergoing construction or renovation. In such conditions, the product should be removed and stored in a clean, dry, indoor environment.

CLEANING THIS PRODUCT:

Turn the power OFF when cleaning. This product may be cleaned with a dry, soft cloth. To remove general surface stains only use a mild soap on a slightly dampened soft cloth; follow by wiping with a soft dry cloth. This product should not be exposed to sprays or liquids.

INSTALLATION INSTRUCTIONS:

This device should be installed and/or serviced by a trained and qualified technician ensuring that installation/servicing complies with all applicable codes and requirements. Read instructions carefully. Failure to follow them could damage the product and void its warranty. Check the ratings given in the instructions and on the product to make certain that the product is suitable for your application.



1. **CAUTION:** Disconnect all power to your system.
2. Make note of and label the function of each wire coming out of junction box. In retrofit applications, label the function of each wire coming from the junction box before removing the old thermostat. You may also use the following table as a guide:

WIRE FUNCTION AND COLOR CHART

Wire Function from J-Box	Wire Color from J-Box	Optimax Wire Color
Hot Line 120VAC	_____	Black
Heat	_____	Red
Cool	_____	Blue
Neutral	_____	White
High Speed Fan	_____	Orange
Medium Speed Fan	_____	Brown
Low Speed Fan	_____	Yellow

3. **PLEASE NOTE:** this device does not require batteries; it does require a NEUTRAL. Wiring to Ground is not the same as wiring to Neutral.
4. Using the mounting screws and thermostat mounting plate provided, feed the wires from the junction box through the opening of the mounting plate, and mount the plate onto the junction box.
5. Connect the wires using wire nuts from the junction box according to the wire function and color chart. Cap off any unused wires.
6. Carefully push any excess wires back into the junction box while positioning the bottom of the thermostat into the two tabs at the bottom of the mounting bracket and press the top of the thermostat into the single tab at the top of the mounting bracket. With the screw provided, secure the thermostat to the top of the bracket.
7. A thorough check of the system and wiring should be made after installation is complete.
8. Turn power back on to system.
9. Depress Thermostat POWER button to turn thermostat on.
10. Check the product operation as provided in these instructions.