

A3100 Touch Screen Thermostat

General

A3100 Touchscreen Programmable Thermostat is an effortless, 7-Day programmable thermostat that provides universal system compatibility, precise comfort control and is easy-to-program.

Simple and easy-to-read installation menu on LCD provide interactive interface when user sets up, programs and operates. Features like variable touchscreen security to prevent tampering, temporary and vacation overrides, and filter change reminders add convenience.

A3101 Thermostats provide temperature control for gas, oil, electric furnace and heat pumps for 1 heat, 1 cool systems.

A3102 Thermostats provide temperature control for gas, oil, electric furnace and heat pump for up to 3 heat, 2 cool systems.

A3103 Thermostats provide temperature control for gas, oil, electric furnace and heat pumps for up to 3 heat, 2 cool systems with humidity display.



Features

- Bright back-lit display with interactive touch screen
- Outdoor temperature display
- Supports Gas, Oil, Electric furnace, and Heat Pump Systems, 3 heat / 2 cool
- Powering methods : Common wire with battery backup
- 7-Day Programmable For Customization
- Large, clear display with backlight shows the current and set temperature and time, even in the dark.
- Menu-driven programming make setup effortless
- Beautiful ergonomic design is smart and sophisticated to match your customers lifestyle
- Touchscreen interaction
- Real-time clock keeps time during power failures and automatically updates to daylight savings
- Change/check reminders let you know when to service or replace filters or batteries
- Various Hold options allow you to override the program schedule, as desired
- Armchair programming allows you to remove the thermostat from the wall for programming.

Additional Features Include

- Universal Dual-Powered choice of battery-powered or hardwired with battery backup, for all single stage applications (installer selectable)
- Selectable Energy Management Recovery
- Meets ENERGY STAR specifications
- Fast (FA) or slow (SL) heating cycle anticipation
- Easy-to-wire terminal block
- B & O terminals
- Compressor lockout protection
- Millivolt compatible
- Electric heat option

Specifications

Setpoint Temperature Range:

50°F ~ 99°F cooling; 40°F ~ 99°F heating

Rated Differential:

Heat 1°F; Cool 1°F

Operating Ambient Temperature:

32°F to 105°F

Operating Humidity Range:

90% non-condensing maximum

Shipping Temperature Range:

-4°F to 150°F

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Electrical Specifications

Power Supply:	2 AA batteries and 24Vac 50/60Hz
Current Load:	1.0 Amp (load per terminal)
	1.5 Amps maximum load (all terminals combined)
Sensing Element:	NTC 100K
Terminals:	0.5-2 sq. mm cable
Operating Temperature:	32°F~113°F
Storage Temperature:	-4°F~131°F
Operating Humidity:	5~90%
Dimension:	152x114x29.8mm (H x W x D)

The touchscreen thermostat compatible with the Standard Systems as below:

- 1 heat/1 cool conventional (factory setting)
- Single-stage heat pump (no auxiliary heat)
- Heat only conventional (no fan) also for 750mV
- Heat only conventional (with fan)
- Heat only (power to open and power to close zone valves or normally-open zone valves)
- Cool only conventional
- 2 heat/1 cool heat pump (with auxiliary heat)
- 2 heat/2 cool multistage conventional
- 2 heat/1 cool multistage conventional
- 1 heat/2 cool multistage conventional
- 2 heat/2 cool heat pump (no auxiliary heat)
- 3 heat/2 cool heat pump (with auxiliary heat)