

A3200 Series Thermostats

General

The A3200 series thermostats are luxurious appearance with large LCD display screen. The thermostat are designed to operate with gas, oil, electric & heat pump and other millivolt control system that compatible with AC powered and battery backup. Single-stage or multi-stage is available.



Features

- Latching relays for system compatibility
- Selectable applications satisfy personal demand
- AC24V with battery backup brings more safety
- High reliable stand-alone microprocessor increases anti-jamming ability
- 5+2 or 7 days 4 periods Programmable
- Low battery indicator
- 12/24 hour clock
- Adjustable cycle rate
- Large, easy-to-read LCD display with green backlight
- Supports Gas, Oil, Electric, and Heat Pump Systems
- Easy, front load battery access
- Armchair programming allows you to remove the thermostat from the wall for programming
- Soft touch keypad
- Filter change indicator
- °F/°C selector

Main Functions

- Room Temperature Setting
- Detect and Display Room Temp
- Cool/Heat/Auto mode selectable
- °F/°C selectable indicator
- 12/24 hours clock
- Compressor short-cycle protection
- High/low temperature protection
- Selectable deadband setting
- Non-volatile memory
- 5+2 or 7 days 4 periods Programmable

Specifications

Power Supply :
Battery powered or 24Vac with battery backup

Setpoint Range:
45 °F ~ 95 °F (7 °C ~ 35 °C)

Setting Unit:
1 °F (1 °C) / step

Accuracy:
± 1 °F (± 1 °C)

Display:
45 × 43.5mm LCD display

Mode Setting:
Heat, Cool, Off, Auto and EMER

Thermostat Terminal:
Rc Rh O B G Y1 Y2 W1 W2 Aux E L

Temperature Sensor:
Inside sensor: NTC 10K Remote sensor: NTC 100K

Enclosure:
ABS

Backlight:
Green light

Dimensions:
140 × 94 × 28.5mm (W × H × D)

Hole Pitch:
60mm or 83.5mm

Mounting:
Surface mounting



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Model Definitions

Non-Programmable Digital Thermostats

| Model | A3201 | A3211 | A3205 | A3206 |
|-------------------------------------|--------------|--------------|----------------------------|----------------------------|
| Features | Single Stage | Single Stage | 2 stage heat /1 stage cool | 2 stage heat /2 stage cool |
| Backlight | ✓ | ✓ | ✓ | ✓ |
| Front battery door | ✓ | ✓ | ✓ | ✓ |
| Quick-connect wiring terminal | ✓ | ✓ | ✓ | ✓ |
| Static protection | ✓ | ✓ | ✓ | ✓ |
| °F/°C temperature read out | ✓ | ✓ | ✓ | ✓ |
| High/low temperature protection | ✓ | ✓ | ✓ | ✓ |
| Compressor short-cycle protection | ✓ | ✓ | ✓ | ✓ |
| Energy usage counter | | | ✓ | ✓ |
| 1st stage temp.differential rating | ✓ | ✓ | ✓ | ✓ |
| Separate O&B terminal | ✓ | ✓ | ✓ | ✓ |
| Gas,Oil,Electric system | ✓ | ✓ | ✓ | ✓ |
| Heat pump system | ✓ | ✓ | ✓ | ✓ |
| Millivolt system | ✓ | ✓ | ✓ | ✓ |
| Battery operation | ✓ | ✓ | ✓ | ✓ |
| Non-volatile memory | | | ✓ | ✓ |
| Hardware | | ✓ | ✓ | ✓ |
| 2nd stage temp.differential setting | | | ✓ | ✓ |
| Keypad lockout | | | ✓ | ✓ |

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Programmable Digital Thermostat

| Model | A3202 single stage 5+2 days | A3203 single stage 7 days | A3204 single stage 7 days | A3207 2 heat /1 cool 7 days | A3208 2 heat /2 cool 7 days | A3209 2 heat /2 cool 7 days | A3212 single stage 5+2 days | A3213 single stage 7 days | A3214 single stage 7 days |
|-------------------------------------|-----------------------------------|---------------------------------|---------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|---------------------------------|
| Backlight | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Front battery door | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Quick-connect wiring terminal | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Static protection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| °F/°C temperature read out | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| High/low temperature protection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Compressor short-cycle protection | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Auto recovery | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Filter check monitor | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 periods temperature adjustment | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Pre-programmed set point | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Hold&override | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Energy usage counter | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 5+2 programming | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Universal days or 5+2 programming | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 1st stage temp.differential rating | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Separate O&B terminal | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Gas,Oil,Electric system | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Heat pump system | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ |
| Millivolt system | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Battery operation | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Non-volatile memory | | | | ✓ | ✓ | ✓ | | | |
| Hardware | | | | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2nd stage temp.differential setting | | | | ✓ | ✓ | ✓ | | | |
| Keypad lockout | | | ✓ | ✓ | ✓ | ✓ | | | ✓ |
| Auto Changeover | | | ✓ | ✓ | ✓ | ✓ | | | ✓ |
| Remote sensor | | | | | | ✓ | | | |