

# V2034LV-A SERIES DATASHEET

Room Thermostat  
With Proportional-Action Control for VAV System

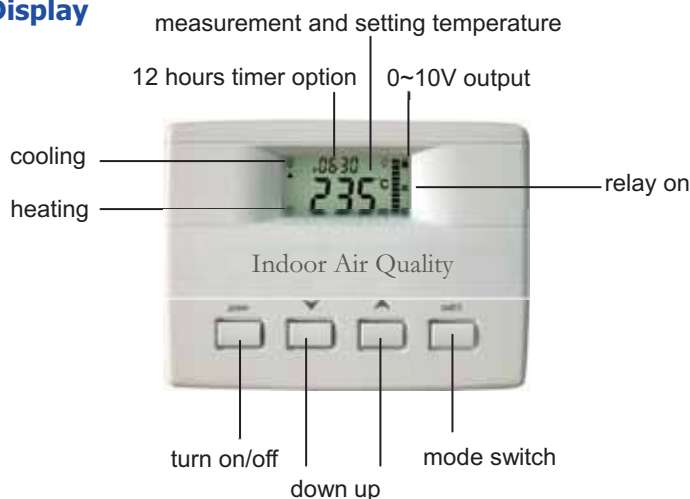


Indoor Air Quality  
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## Features

- ① Designed to control the room temperature for VAV terminals with 1X0~10 VDC output to cooling/heating or 2X0~10 VDC outputs to cooling and heating dampers. Also one or two relay outputs to control one or two stages electric aux. heater.
- ① LCD can display working status such as room temperature, set point, analog output, etc. Makes reading and operating easy and accurate.
- ① All models feature user-friendly set point buttons
- ① Smart and enough advanced setup makes the Room thermostat for all VAV systems.
- ① Up to two-stage electric aux. heater control makes temperature controlling more accurate and energy-saving.
- ① Large set point adjustment, the mini. and max. limit of temperature preset by end users
- ① Low temperature protection
- ① Celsius or Fahrenheit degree selectable
- ① Cooling/heating mode auto changeover or manual switch selectable
- ① 12 Hours Timer Option can be preset 0.5~12 hours to turn off the thermostat automatically after working hours.
- ① Two parts structure and quick wire terminal block makes installing easily.
- ① Infrared Remote Control (optional)
- ① Blue backlight (optional)
- ① RS 485 communication interface (optional) makes the thermostat connection with a PC or the center control system

## Buttons and LCD Display



Notice: The LCD details for different model is in its user manual.

## Specifications

Power supply	24 VAC ± 20% 50/60 HZ
Electrical rating	2 amp load per terminal

Sensor	NTC 5K
Temperature Control Range	5-90 °C (41°F-95°F)
Accuracy	± 0.5°C ( ±1°F )
Analog output	One or two analog outputs Voltage DC 0V~DC 10 V Current 1mA
Degree of protection	IP30
Environment condition	Operating temperature: 0 – 50 °C Operating humidity: 5 – 99% RH Storage temperature: -10 – 60 0C Storage humidity: <95%RH
Display	LCD
Net Weight	240g
Dimensions	120mm(L)x 90mm(W)x 24mm(H)
Material and colors:	PC/ABS Fireproofing cover with white color
Mounting Standard	Mounting on inside wall, or 2"x 4"/ 65mm x 65mm pipe box

## ① Models

Type	Model	Characteristic
Room Thermostat of VAV systems Power supply: 24VAC	V2034LV-A-N	1X 0~10V output for an actuator of VAV terminal with cool/heat manual switch
	V2034LV-A01	1X 0~10V output for an actuator, 1X on/off contact output to a heater. Cool/heat manual switch.
	V2034LV-A02	1X 0~10V output for an actuator, 2X on/off contact output for 2-stage heater. Cool/heat manual switch
	V2034LV-A-Pro	1X 0~10V output for an actuator, an external sensor detect air duct temperature to change cool/heat automatically. Cool/heat changeover or manual switch can be selected.
	V2034LV-A01-Pro	1X 0~10V output for an actuator, 1X on/off dry contact output to a heater with an external sensor detect air duct temperature to change cool/heat automatically. Cool/heat changeover or manual switch can be selected.
	V2034LV-A-D	2X 0~10V outputs for cooling and heating dampers
	V2034LV-A01-D	2X 0~10V outputs for cooling and heating dampers, 1X on/off dry contact output to an aux. heater.
<b>OPTIONS</b>		
Accessional Options	Timer of turn off <b>-TM</b>	Pre-set 12 hours turn-off timer when it can be turned off automatically.
	Remote Control <b>-R</b>	Infrared receiver (works with remote controller)

If you need RS485 communication interface for above models, please contact with us directly.

## ① Mounting and Wiring Diagrams

