

Apollo 44-800

Multifunction Thermostat

Making Life Comfortable

General Description

Introducing the “Apollo” thermostat from Smart Temp Australia, a perfect mix of aesthetics, intuitive operations and performance in an amazingly affordable package.

Based on the highly successful SMT-770 format, the Apollo additionally brings an attractive touch screen interface with unique “Touch-to-Adjust” logic. Put simply, rather than complicated menus and virtual buttons that are found on many touch screen thermostats, the Smart Temp Apollo has redefined thermostat use by simply requesting the user touch whatever it is they wish to adjust. The Apollo LCD will then reform the layout to show only what’s needed to complete the task at hand.

Should you wish to adjust the room temperature, simply touch the large temperature reading in the center of the display and the Apollo’s display will transform to show only the relevant information in a clear and precise manner to assist with setting the desired temperature. When you wish to set the time, simply touch the clock and again the Apollo will guide you through the process of setting the clock. No fuss, no need for manuals and no confusion.

The simplicity of use is not all that sets the Apollo thermostat apart from others. This thermostat also offers real flexibility in function. The Apollo is equally adept at controlling a simple, single stage gas heating system in a home as it is controlling a three stage cooling system in a large commercial office. Setup in most cases takes only a few moments.

Various options further add to the Apollo’s capabilities and appeal. Attractive coloured frames are available so that the room’s decor can be perfectly matched. Remote temperature sensors can be used to provide better temperature control when the Apollo, for whatever reason, can’t be mounted in the perfect location. Outside air temperature sensors not only provide information on the conditions outside, this information is also used by the Apollo to better control the heating and cooling system attached to it.

The Apollo from Smart Temp - Simply Clever!



* Shown with optional decorative surround

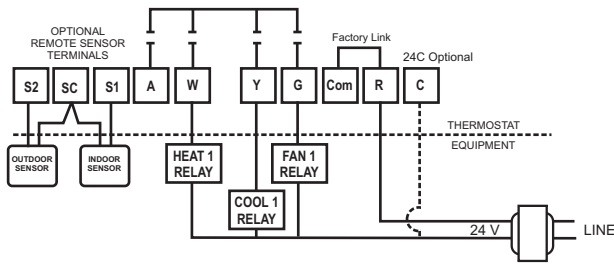
Features

- 24VAC or Battery Powered (2 x AAA)
- Large Backlit LCD Touch Screen
- Security Logic inc Key lock & Limit Control
- 7 day, 5+2 Day or Manual Operation
- Programmable Fan Logic
- Heat cool & Heat Pump Logic
- Single & Multistage Control
- Remote Sensor Inputs
- Outside Sensor Inputs
- Designed and built by Smart Temp Australia
- Comprehensive 3 year Warranty RTB

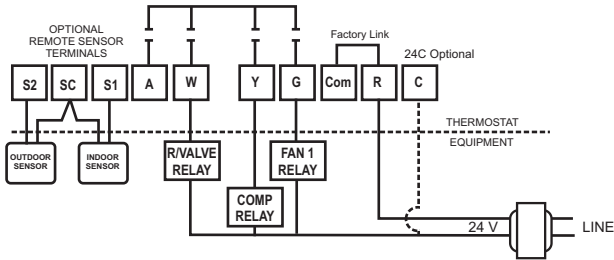
Typical Wiring examples

Installer Options

1 HEAT / 1 COOL (GAS with add on) (Sw1 = OFF)



SINGLE STAGE HEAT PUMP (Sw1 = ON)



Control Options

Heat or Cool Only

- 1 Stage Heat and 1 Stage Cool
- 2 Stage Heat and 1 Stage Cool
- 1 Stage Heat Pump
- 2 Stage Heat Pump
- 2 Stage Cool with 1 Stage Heat
- 1 Stage Heat Pump with E.Heat
- 3 Stage Cool

Accessories



Smart Pak Interface

When you need switch loads that exceed the Apollo's relay capabilities Smart Temp offers the Smart Pak 24/240V interface.

RS-01 Sensor

When you can't place the Apollo thermostat in the perfect location to control temperature, simply use the Smart Temp RS-01 remote temperature sensor. *Adjustable version also available P/n RS-A.*



Decorative Frames

When you wish to add a touch of style to the Apollo, Smart Temp can supply decorative coloured frames that can be tailored to match the rooms decor perfectly. Standard primary colours available.
P/n Ap-frame



DIP Switch settings

- Sw1 Off - Heat Cool Logic
On - Heat Pump Logic
- Sw2 Off - RV Energise in Cool (HP)
Fan Control by Heater (HC)
On - RV Energises in Heat (HP)
Fan Controlled by Apollo (HC)
- Sw3 Off - Equipment Immediate Start
On - 4 Min Anti-Cycle Delay
- Sw4 Always leave OFF

Advanced Software settings

- 1-Pr Program Type (4 event or 2 event)
- 2-Pd Program (7 day, 5+2 day or manual)
- 3-PF Program Fan (on or off)
- 4-Fn Function (auto, heat only, cool only manual change over)
- 5-LC Key Lock (9 levels)
- 6-CL Cooling Set Limit (lowest permitted cooling set temperature)
- 7-HL Heating Set Limit (highest permitted heating set temperature)
- 8-td Display C/F (sets the thermostat display mode)
- 9-c / Clock Style (AM/PM or 24 hour)
- 10-St Show Set Temp (show or hide current set temp on display)
- 11-b / Back Light Option (on permanently or only when touched)
- 12-rc Adaptive Recovery (on or off)
- 13-Ft Filter Reminder (off to 1200 hours in 100 steps)
- 14-SP Span (On/Off hysteresis settings)
- 15-CA Calibration (sensor calibration offset)
- 16-tt Remote Sensor (remote or average function)
- 17-ry Relay 4 Function (2nd heat/cool, 2nd comp, aux heat etc)
- 18-Lb Low Balance Point (sets thermostat LBP for e.heat etc)
- 19-Hb High Balance Point (sets thermostat HBP for stage 2)
- 20-bP Beeper (turns the Apollo beeper on or off)
- 21-rS Reset (forces a factory reset of all settings)

Specifications

Input Voltage (Hardwired)	20-30 VAC 50/60 Hz
Relay Rating	24 VAC @ 1 Amp Max Per Relay
Battery Power	(2) AAA 1.5 V
Operating Temperature	0° C to 55° C
Operating Relative Humidity	0-95% (non-condensing)
Storage Temperature	0° C to 65° C
Size:	125" W x 85" H x 25" D (mm)
LCD Display Size	57 W x 99 H (mm)
Back Light	White LED
Short-Cycle Delay	Off or 4 minutes
Displayed Temperature Resolution	0.1° c
Set Point Range	
Heating	5° C - 49° C
Cooling	6° C - 50° C
Heating and Cooling Limits	Fully adjustable
Onboard Sensor	NTC type 3 100K
Remote	NTC type 3 10K
Warranty	3 years (RTB)