

SMT-700 *Elegance*

Multifunction Thermostat with Built In Zone Control

Making Life Comfortable

General Description

When a thermostat looks this good, what else could you call it but

“The Elegance”

When every item one posses demonstrates a desire to achieve a level of sophistication and class previously unsurpassed, why then should the most important comfort control item in the home be any less inspiring?

Smart Temp are pleased to present you with the Elegance Wall Thermostat. Designed to be extremely attractive yet unobtrusive. Simple to use while still having advanced control capability.

Extensive research was undertaken prior to the production of the Elegance Thermostat. Key criteria to its design are its clean lines, thin profile and a very impressive “EL” backlit Liquid Crystal Display. Simple operation and logical button placement were also deeply researched to ensure the Elegance operation and control are as intuitive and impressive as its clean modern styling.

As handsome a wall controller as the Elegance is to view, its not just a show pony. The Elegance has real control power with the ultimate in functional flexibility. A combination of hardware switches and software options ensures this thermostat is capable of controlling almost anything. Single or 3 speed fan equipment, single or multistage equipment (heat pump or heat / cool equipment type), digital multistage outputs or modulating 0~10V control as well. 2 zones of active temperature management is also built in as standard.

Optional temperature sensors can be installed to measure the outside air temperature - a useful feature should you wish to see what you need to wear for the day. The Zone 2 temperature sensor when installed is used to ensure the second zone temperature is maintained exactly as required, the Fan Coil temperature sensor will ensure warm start heating and residual heat/cool fan run on an energy saving function.

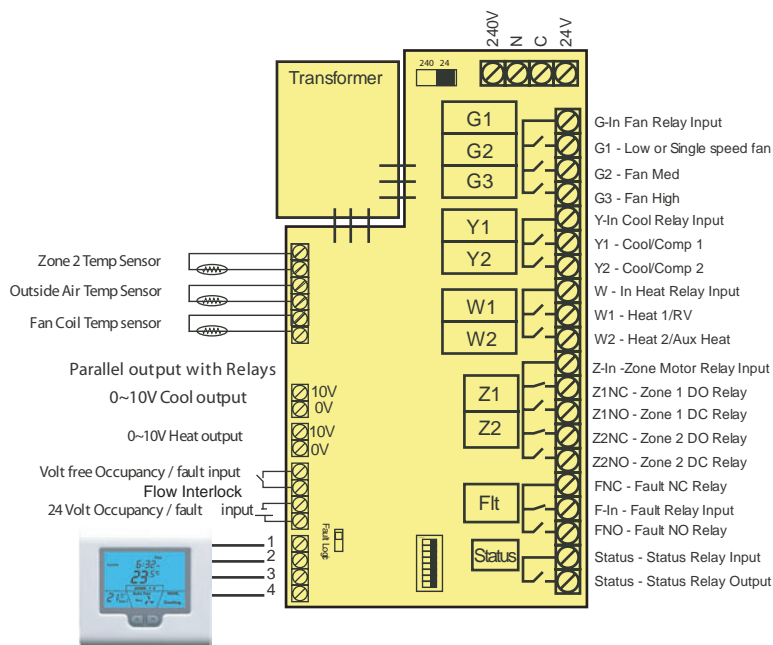
The few features listed here plus the many additional capabilities that this thermostat offer makes the Elegance thermostat perfect for all residential, apartment or commercial applications.

These Great Looks, Control flexibility, Highly reliable performance and at a price sure to impress



Features

- 7 day 4 or 2 event programming or non programmable mode (with night set back)
- Auto Season Changeover between Heat & Cool
- Built in Active 2 Zone Control (With zone temperature display)
- Single & 3 Speed Fan Control with Auto Fan Speed (Set by system installer)
- Multistage equipment control
- Relays all voltage free input - rated at 240V 10Amps. Mixed voltage permitted
- Built in fan coil Smart Control (Warm start & Residual Heat / Cool run on)
- Powered from 24VAC or Line Voltage
- Equipment Fault / Occupancy inputs (2) with status display on the LCD
- Built in economy function using outside air for free heating & cooling
- Flow verification Interlock



The Elegance is a Climate control solution in search for a problem to solve. No matter what type of air conditioning system you have, or what type of application you are trying to manage the Elegance with its impressive list of software options and hardware capabilities will ensure a successful outcome.

The Elegance is as equally capable of controlling a commercial air conditioning system in a large office as it is managing the comfort in a two bedroom apartment with Gas heating.

Now, the Elegance has the added ability to set a manual or programmable modes of operation (for maximum user satisfaction), 2 independent zones of temperature management (to improve comfort) or to use the free energy of the outside air to heat or cool with the Elegance in built "Economy" function, so no matter what you need to do, you will find that the Elegance is more than capable.

Take time to study the condensed wiring layout provided above and you will begin to see the capability of this impressive Air Conditioning control system. All relays are voltage free so its simple to mix voltages when required. Need to control 24V heating contactors with 240V fans? - No Problem! Parallel modulating 0~10 volt outputs with 2 stages of heating and cooling using high current relays, single or 3 speeds of fan control, fault inputs, flow interlock and outputs as well as a status relay that energises when ever the Elegance is using energy - perfect for monitoring energy usage. The Elegance is the answer to all of your Heating and cooling applications.

Authorised Distributor

Condensed Specifications

Relays (Maximum ratings - all supplied Voltage Free)

Fan Low	Max 10A 240V
Fan Med	Max 10A 240V
Fan High	Max 10A 240V
Heat 1	Max 10A 240V
Heat 2	Max 10A 240V
Cool 1	Max 10A 240V
Cool 2	Max 10A 240V
Damper 1	Max 5A 240V Changeover
Damper 2	Max 5A 240V Changeover
Fault	Max 1A 240V Changeover
Status	Max 1A 240V
Temp Sensors	10K NTC
Input Voltage	24VAC / 240VAC(fused) selectable

Size

Wall Controller	115 x 100 x 24mm
Control PCB	190 x 140 x 61mm

Accuracy +/- 0.3deg C @ 21 C

Resolution 0.5 deg C/F

Control Range 0~38c

Outside Air temp

display range -8 ~ 60c

Back light Blue EL

Optimised Start Time to Start Temp Differential method

Display Size 74 x 55mm

Coms Protocol Native Rs485 150M max run 4 core

Warm Start fan Coil >5C above room Temp.

Economy function 2.5c dampers only >5 suspend comp call

Warranty 18mths RTB.

Installer Adjustable Parameters

Hardware Adjustments (DIP Switch)

- Single / 3 Speed Fan Indoor Fan
- Heat Pump (OB terminals) / Heat Cool Equipment Control
- Single / Multistage Equipment Control.
- Reversing Valve Mode (O/B) / Fan Mode E/G
- 4 Min compressor protection delay On/Off
- Manual / Programmable Thermostat function
- Zone Control Enable / Disable - Economy function enable
- 4 / 2 Daily events (Set Back / Start Stop programming)

Software Adjustments

- Pin Number Select 00~99
- Keyboard lock On / Off (2 levels)
- Room and Set Temp Display / Set Temp display only
- Room (and zone 2) Temperature Sensor Calibration
- Analogue Output span adjustment (1 ~ 10c)
- Deg C / F Display
- Manual mode countdown timer period (0~8 hours)
- High Temperature Limit (0~38c) Cooling OFF set point
- Low Temperature Limit (0~38 c) Heating OFF set point
- Stage differential temperature (0.5 ~4c)
- Lock out high fan speed when only 1 zone called.
- Optimised Equipment Start Enable / Disable
- Fan Control Mode - Smart Fan / Smart Fan with Heat
- Zone programing function On / Off
- Mode Selection (Heat Only - Cool Only - Auto mode)
- Temperature Set Range 0~38c
- Set / Program Heating or Cooling value to OFF
- AM/PM or 24 Hour Clock
- Occupancy Heat Value
- Occupancy Cool Value
- Occupancy Fan Mode



Another Quality Product from

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Due to continuous product improvement - specifications subject to change without notice