

Easy Zone Touch™

Active 6 Zone Controller

SZ-EZT

Making Life Comfortable

General Description

Smart Temp Australia is a company synonymous with innovative solutions for temperature control. Using years of experience and an attitude of listening to what customers want and the industry demands, Smart Temp has developed another first in home or office comfort control, the EASY ZONE TOUCH.™

Based on a high resolution backlit graphic display with touch sensitive membrane, the EASY ZONE TOUCH has been developed with key criteria in mind. These to be-

- **extremely user friendly.**
- **accurately control zone comfort.**
- **simple to install.**
- **cost competitive with other zone systems.**

The use of such a touch sensitive display has some significant advantages as it can continually update displayed information as the user changes settings and preferences. As each “page” of information is customised and unique to the current function, vital information is highlighted while general information is shown less prominently and non irrelevant information is eliminated—reducing user confusion and “confused” call backs.

Commissioning the system is also made very simple as the settings are in clear English so the installer can easily see and understand all parameters, no confusing function codes or obscure settings making setting up error free and time effective.

The EASY ZONE TOUCH can operate in three modes making it perfect for all zone control needs. A basic mode simply opens and closes zones based on the user demands, a more powerful mode will measure zone temperature and report that to the equipment controlling device (thermostat) and the most advanced mode will actively control the zone temperature independent of the thermostat set point.

Wiring the wall controller to the relay card is as easy as 1, 2, 3, 4. Safe 24v powered and LED indication for all functions simplifies the process even further.

The EASY ZONE TOUCH, simply stunning solution for zone control.



Features

2 to 6 zone control.

Set individual temperatures in each zone.

Programmable spill zone(s).

Set custom zone names.

3 modes of operation.

Basic - simply open and close zones.

Normal - with temperature control.

Advanced - with active temperature control.

Touch sensitive graphic display.

Compatible with all HVAC systems.

Comprehensive installer menu.

A/C discharge temperature monitoring.

Full passive and active system safeties.

Integrated Modbus communications.

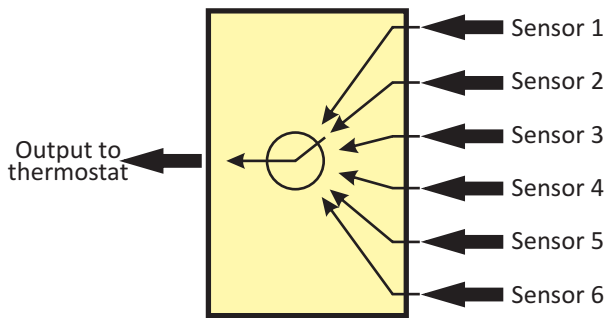
Full local product support.

Integrated temperature sensor on wall controller.

Designed and built by Smart Temp Australia.

Comprehensive 3 year warranty RTB.

Temperature Sensor Switching Logic



When the EASY ZONE TOUCH is used in normal or advanced mode, you can connect a zone temperature sensor for each of the 6 zones to the EASY ZONE TOUCH zone temperature input. When a zone is open the user can select that zone for "Sensing".

Sensing zones will duplicate the zone temperature for the controlling thermostat, permitting a single thermostat to measure and control up to 6 zones independently. If more than one zone is selected as "sensing" then the average temperature is calculated and provided at the thermostat.

Specifications

Wall Controller

Input Voltage	24VAC 50/60 Htz +/- 15%.
Operating Temperature	0-50C (32 to 122F).
Operating RH	0-95% (non condensing).
Storage Temperature	0-65C (32 to 150F).
Size	113 x 103 x 23mm.
Display Size	69.5 x 46.3mm.
Backlight	White or blue EL (30 seconds after last button press)
Display type	240 x 320 pixel STN touch panel
Memory type	Non volatile No backup Battery Required.
Communications	Modbus RTU 9600baud 1 stop bit 1 start bit no parity (adjustable)

Relay Card

Input Voltage	24VAC 50/60 Htz +/- 15%.
Operating Temperature	0-50C (32 to 122F).
Operating RH	0-95% (non condensing).
Storage Temperature	0-65C (32 to 150F).
Size	110 x 200mm.
Memory type	Non volatile No backup battery required.
Zone / Spill Relays	24V @ 2amps max
Zone Sensor input	2 to 50K (Smart Temp sensor only for advanced mode).
AC sensor input	10KTypeII NTC only (Smart Temp PN Rs-1D)

Common

Approvals FCC (Part 15) (pending), C-tick.
Warranty 3 years Return To Base.

Zone Status

Rumpus	Zone is Off / Closed.
Rumpus ON	Zone is On / Open.
Rumpus SENSING	Zone is On and measuring space temperature.
Rumpus ACTIVE	Zone temperature is set independent of controlling thermostat.

Typical Screens

Active Temperature

Installer Menu

Name Select

Mode select

Board Layout

