

Model SMT24-AZC Operating Instructions

24 Volt Standalone Modulating
Zone Temperature Controller

Congratulations on the purchase of your new Electronic Thermostat!

Your new Smart Temp SMT-AZC thermostat has been built using the best components and design philosophy. As a consequence of this, if properly installed your new electronic programmable thermostat will provide you with many years of trouble free and reliable service.



To Switch the System ON / OFF

With each press of the "On/Off" button, the SMT-AZC will toggle between "On" and "Off" mode. The SMT retains in memory the last temperatures set and operational mode. These values are used when the SMT-AZC is turned on.

To Adjust the Set (or desired) Room Temperature

Pressing the up (+) or down (-) buttons allows you to set your desired room temperature. The word "SET" & "HEAT" or "COOL" will be displayed in the LCD to confirm the set temperature is being adjusted. Using the up (+) or down (-) buttons set your desired Cooling temperature, Wait 4 Secs and the word Heat will be displayed Using the up (+) or down (-) buttons set your desired Heating Temperature. (Note this model thermostat has two set points, Heat and Cool)

When the desired set temperature is shown and there are no further button presses the LCD will stop flashing and again indicate the current room temperature. The new desired room temperature is now active and the SMT-AZC will control the Zoning System to achieve this new desired temperatures.

System Modes

With No Upstream Sensor Installed

Pressing the "Mode" button will permit you to select the operational mode of the thermostat. Each press of the "Mode" / mode button cycles between Heat only mode, Cool only mode. (This feature is only available if when no Upstream Sensor is installed)

With Upstream Sensor Installed.

The "Mode" Button will permit you to select Auto Changeover Mode - Heat & Cool Each press of the "Mode" button cycles between Heat only mode, Cool only mode and Heat & Cool. (This feature is only available if when the Upstream Sensor is installed)

The SMT-AZC will modulate the Damper Actuator to control the room temperature at the desired temperature.

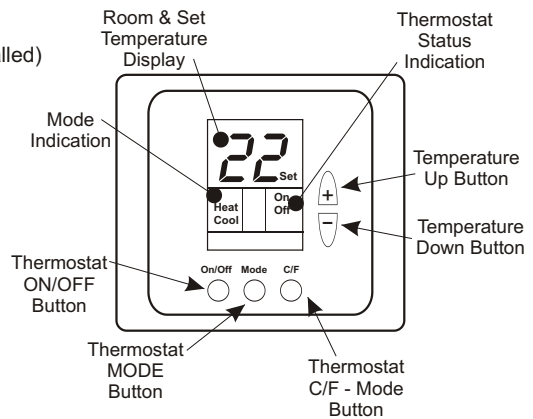
Degree °C or °F

Pressing the "C/F" button with permit you to select the temperature readout between Degree Celsius or Fahrenheit

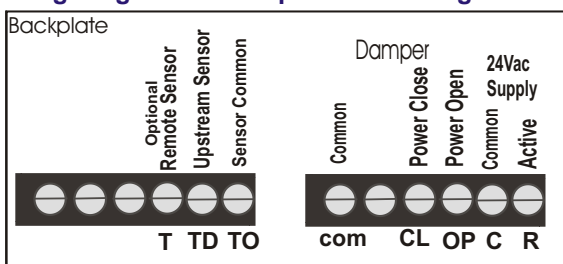
Installation Settings

To be used only with 24 Volt 3 Wire Actuator. (Equivalent to Belimo LM-24-T)

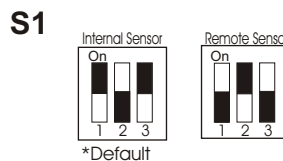
Damper Actuator Opening /Closing time needs to be set. By switching Sw2 ON allows you to set the maximum opening/ Closing time of the Damper Actuator you have installed Using the up (+) or down (-) buttons set your Desired time Note the number on the LCD is multiplied by 10 e.g 6 = 60 SEC. The adjustment range is 1 - 40. **The default time is 60Seconds.**



Wiring Diagrams and Dip Switch Configuration

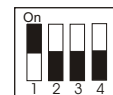


Sensor Configuration



Black Denotes Switch Position

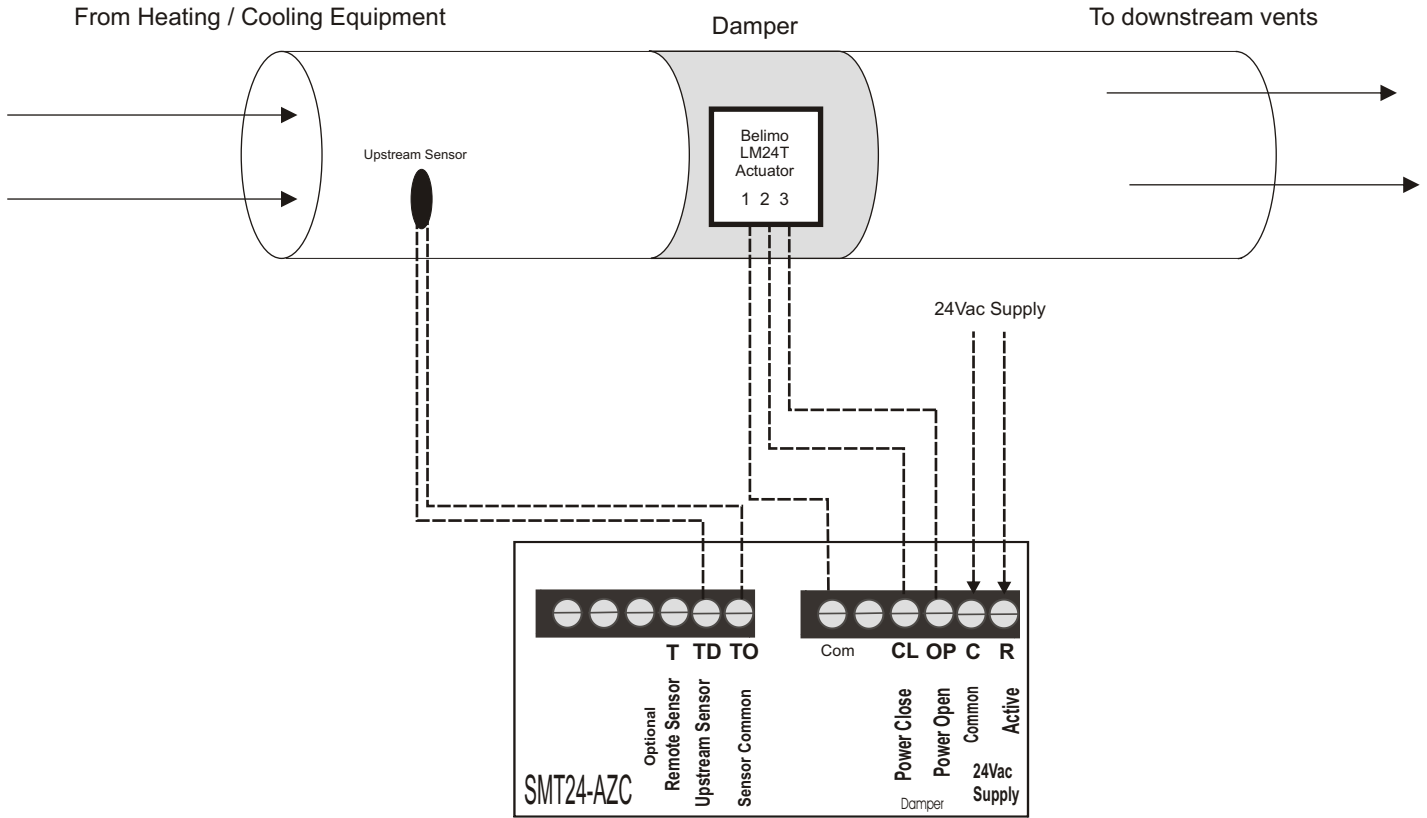
S2




Switch Functions		
SW	On	OFF
1	Proportional *	Non Proportional
2	Adjust Motor Time	Normal Mode *
3	No Time Delay	Normal Mode*
4	Not used	Not used *

*Factory Default

Ducting



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		<h2>Installation Drawing</h2>	
Drawing Revision History			Drawing Name
			SMT-AZC Connection
<small>All care has been taken in the preparation of this drawing however Smart Temp Australia accepts no responsibility for damage that may be caused by using this information. This is a guide only.</small>			
14-07-2005	REV A	By: JK	
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