



# STR100 - STR107

## Wall Modules

10 Nov 2003



The STR is a series of wall modules optimized for public facilities such as office buildings, hotels, hospitals, schools and shopping malls. Their pleasant appearance and well-designed interface make them suitable for any contemporary building. They are easy to operate and install.

STR wall modules are mounted directly onto the wall or a back-box/J-box.

The STR101 through STR107 are equipped with a modular jack (RJ-10) that allows the wall module to be connected to the portable TAC Xenta OP (Operator Panel). The STR101 through STR107 can be used together with the TAC Xenta 100, 200, 300 and 400 series of controllers.

The wall modules are equipped differently; the STR100 is the basic model, while the STR106 and STR107 are fully equipped. The STR wall modules replace the ZS 100 series and the EGRL room sensor.

### TECHNICAL DATA

#### Ambient conditions:

Storage ..... -20 to +70 °C (-5 to 150 °F) max 95% RH  
Operation ..... 0 to +50 °C (32 to 120 °F) max 95% RH

#### Mechanical

Enclosure rating ..... IP20 / NEMA1  
Enclosure material ..... PC/ABS plastic  
Weight ..... 85 g (0.19 lb)

#### Dimensions:

Please refer to figure overleaf

#### Standards:

EMC ..... EN 50081-1, EN 50082-1  
Safety standard ..... UL 916 (pending), UL 94V-0  
Flammability rating ..... UL 94-V0

#### Wiring

Cable type ..... Twisted pair, unshielded  
Cable size ..... Min 0.7 mm<sup>2</sup> (19AWG)  
Distance ..... Max 30 m (100 ft)

#### Sensor Data

Type ..... 1.8 k $\Omega$  TAC-thermistor  
Accuracy ..... at 15-30 °C (60-85 °F),  $\pm$ 0.35 °C (0.65 °F)

#### Part numbers:

STR100 ..... 0-046-0010  
STR100-W (White) ..... 0-046-0011  
STR101 ..... 0-046-0020  
STR102 ..... 0-046-0030  
STR103 ..... 0-046-0070  
STR104 ..... 0-046-0040  
STR106 ..... 0-046-0050  
STR107 ..... 0-046-0060

Model	Temp Sensor	Mode Indicator	Setpoint Offset	Bypass Button	Fan* Speed Control
STR100	x				
STR101	x	x			
STR102	x	x	x		
STR103	x	x		x	
STR104	x	x	x	x	
STR106	x	x	x	x	x**
STR107	x	x	x	x	x***

\* In the TAC Xenta 100 series, this is only applicable for the TAC Xenta 101-VF

\*\* STR106  
A-0-I-II-III

\*\*\* STR107  
Auto-Off-On

## FUNCTIONS

### Mode Indicator

A green LED is used on the STR101-107 to indicate the mode in accordance with the following:

- Comfort mode (On) is indicated by a steady green light.
- Economy mode (Standby) is indicated by a flashing green light.
- Unoccupied mode is indicated by the LED being off.

### Fan Speed Control

The STR106 and STR107 are equipped with a fan speed control wheel.

The STR106 can be set to Auto, Off, Low, Medium or High (A-0-I-II-III).

The STR107 can be set to Auto, Off or On.

### Bypass Button

A bypass button is provided on models STR103, STR104, STR106 and STR107. The bypass function is used to force the controller to comfort mode for a predefined duration.

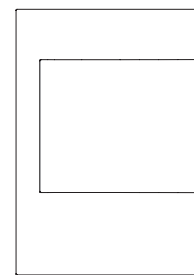
### Temperature Wheel

The temperature is controlled using the temperature setting wheel. The adjustment range of the temperature wheel may be set to the following limits::

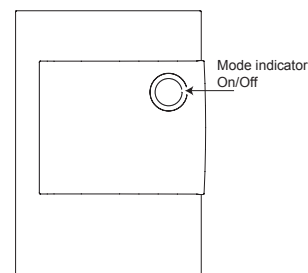
- $\pm 1^{\circ}\text{C}$  ( $\pm 1.8^{\circ}\text{F}$ )
- $\pm 2^{\circ}\text{C}$  ( $\pm 3.6^{\circ}\text{F}$ )
- $\pm 3^{\circ}\text{C}$  ( $\pm 5.4^{\circ}\text{F}$ )
- $\pm 4^{\circ}\text{C}$  ( $\pm 7.2^{\circ}\text{F}$ )
- $\pm 5^{\circ}\text{C}$  ( $\pm 9^{\circ}\text{F}$ )

The adjustment is done manually using the plastic keys on the back of the core-panel. Increase/decrease limits are separately adjustable.

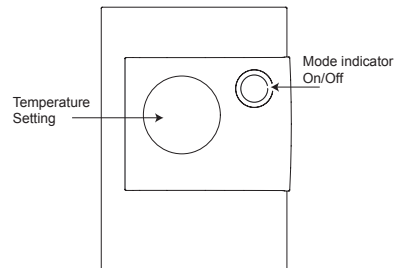
### STR100



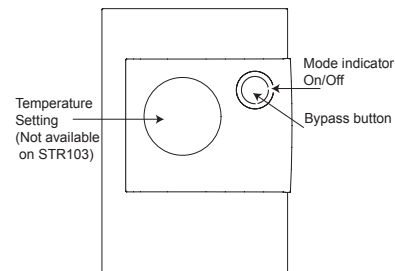
### STR101



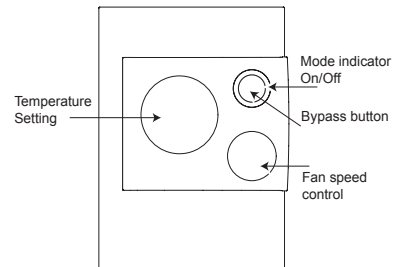
### STR102



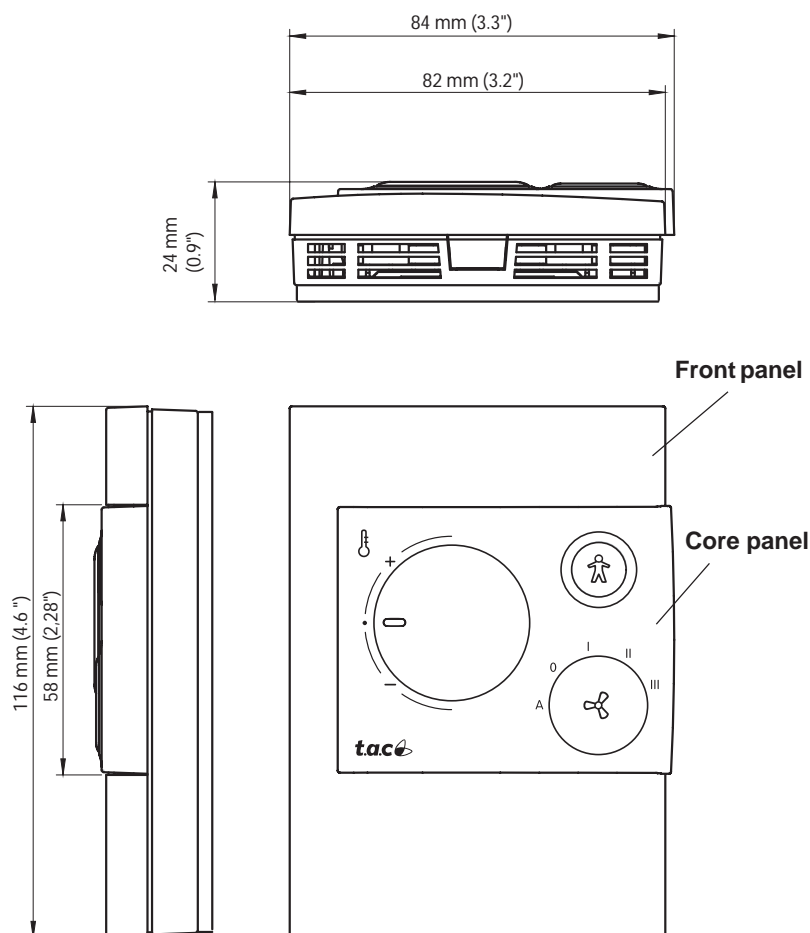
### STR103/104



### STR106/STR107



## DIMENSIONS



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