

STR800

Room Sensors



Product Description

The STR800 Series of wall modules are 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. The STR800 Series is easy to install and operate.

The various models in the STR800 Series function with the TAC I/A Series controller families. Users can choose between a basic sensor, or one that offers setpoint adjustment, an override button, or both, by selecting from the various models. Select models are equipped with an ASD jack that allows users to connect to the ASD bus for PSI/XPSI programming.

Specifications

Ambient Conditions	
Storage temperature	-20 ... 70 °C (-4 ... 158 °F)
Operation temperature	0 ... 50 °C (+32 ... 122 °F)
Humidity	Max. 90% non-condensing relative humidity
Mechanical	
Enclosure material	ABS/PC
Enclosure rating	IP 20/NEMA 1
Dimensions	See dimensional diagram
Weight	85 g (0.19 lb.)
Sensor Data Type	
STR80x	10kΩ with 11kΩ shunt
STRBKx	1kΩ Balco
STRPKx	1kΩ Platinum
Regulatory Information	
Agency approvals	CE, UL Listed, Flammability rating: UL 94 V-0

Available Products

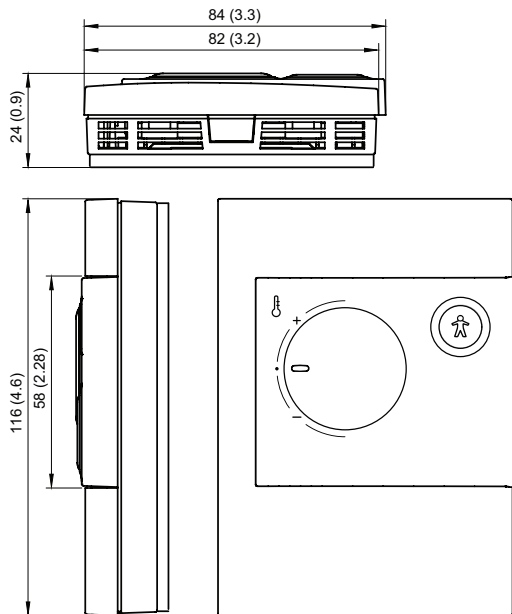
Part Number	Model	Description	Compare to
004607000	STR800	Room temperature sensor	TSMN-57011-850
004607100	STR801	Room temperature sensor with ASD jack	TSMN-90220-850
004607210	STR802C	Room temperature sensor with °C setpoint adjustment and ASD jack	
004607220	STR802WC	Room temperature sensor with warmer/cooler setpoint adjustment and ASD jack	
004607300	STR803	Room temperature sensor with bypass and ASD jack	TSMN-90230-850
004607400	STR804F	Room temperature sensor with bypass, °F setpoint adjustment and ASD jack	TSMN-90250-850
004607420	STR804WC	Room temperature sensor with bypass, warmer/cooler setpoint adjustment and ASD jack	
004607500	STRBK0	Room temperature sensor	TSMN-81011
004607510	STRPK0	Room temperature sensor	TSMN-58011

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Dimensions mm (in.)



Cables

Twisted pair, unshielded, with a minimum cross-sectional area of 0.7 mm² (AWG-19) and a maximum length of 30 m (100 ft).

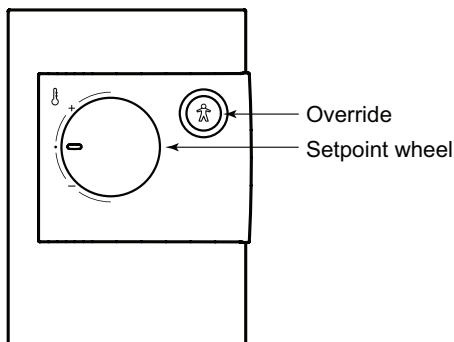
Mounting

The units can be mounted directly onto the wall or fitted onto a wide variety of back-boxes. The plug-in concept makes wiring quick and easy.

Maintenance

No maintenance is required for the wall module. If necessary, it may be cleaned with a soft cloth.

Functions



Setpoint Adjustment

Setpoint adjustment, available on STR802x and STR804x models, allows the user to change the desired setpoint for the space. The setpoint adjustment is done by manually moving the wheel to the desired location.

Override Button

An override button provides the user, upon entering the space, to change from standby (economy) mode when unoccupied, to a comfort mode. When the override time expires, the symbol returns to its previous status, provided that the feedback mode is connected. Otherwise, the symbol returns after a period of two hours.

Wiring

These units use 2-x wires for installation. The wiring is easily accessible due to the plug-in concept.

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