

STR150



PART NUMBER

Part Number	Model Number
004602800	STR150

SPECIFICATIONS

Ambient Conditions

Storage temperature. -20 °C to +70 °C
 (-4 °F to +158 °F)

Operation temperature 0°C to +50 °C
 (+32 °F to +122 °F)

Humidity max. 90%
 non-condensing relative humidity

Mechanical

Enclosure material ABS/PC

Enclosure rating IP 20/NEMA 1

Dimensions. see Fig. 1

Weight 85g (0.19 lb.)

Agency Compliances

Emission

CE EN 61000-6-3

C-tick C-Tick N1831

FCC FCC Part 15, Subpart B, Class B

Immunity

CE EN 61000-6-1

Safety

CE EN 61010-1

UL C-UL, UL 916 Listed

Wall Modules with Display

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.

The STR150 is designed to be used together with:

- Xenta 102-ES
 - Xenta 102-B
 - Xenta 102-EF
 - Xenta 102-VF
 - Xenta 103-A
 - Xenta 104-A
 - Xenta 121-FC
 - Xenta 121-HP
- all software version 1.2 or later.

Flammability

UL UL 94 V-0

Temperature Range

Direction and display 5-45 °C (41-113 °F)

Transferred to X100 8-33.4 °C 946.4-92.1 °F)

Accuracy at 15-30 °C (59-86 °F) ±0.5 °C (0.9 °F)

Sensor time constant 9 min.

Temperature Resolution, Room and Setpoint

Display 0.1 or 0.5 °C (0.2 or 0.9 °F)

Temperature Updates

Display 10 sec.

Setpoint Value

Range 15-30 °C (59-86 °F)

Span ±0 to ±5 °C (±0 to ±9 °F)

Data Communication

Type serial to Xenta 100

Part Numbers

STR150 004602800

FUNCTIONS

Increase Button

The increase button is used to increase the temperature setpoint.

Decrease Button

The decrease button is used to decrease the temperature setpoint.

If the room temperature is being displayed when a button is pushed for the first time, the current effective setpoint will be displayed. A second push will change the value.

Bypass Button

The bypass button is used to change from standby (economy) or unoccupied mode to comfort mode. When entering comfort mode, the symbol on the display shows a steady light. When the bypass time expires, the symbol returns to its previous status again, provided that the feedback mode is connected. Otherwise the symbol returns to the Off status after two hours.

Fan Speed Button

The fan speed button is used to override the normal automatic fan control. Depending on the configuration, different fan modes may be selected by the user. When the fan speed button is pushed, the fan symbol on the display flashes, indicating that the mode can be changed. Push the button repeatedly to change between modes.

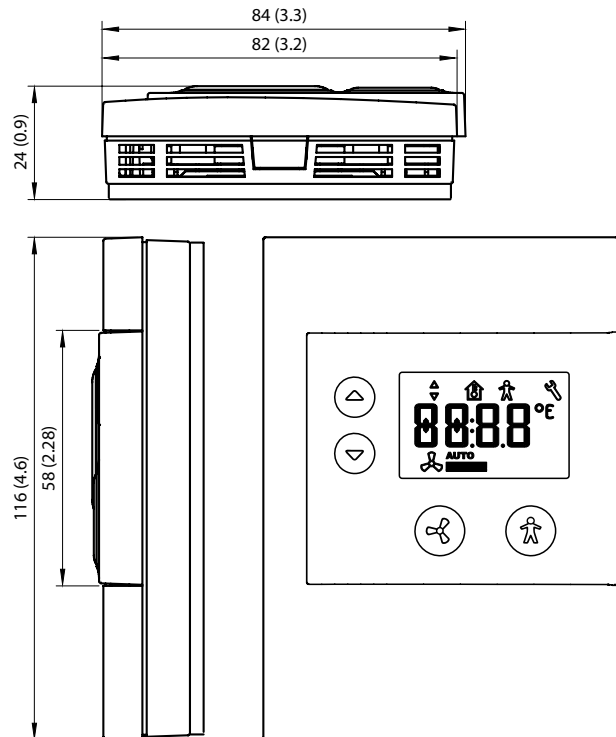
CONFIGURATION

Configuration Mode

The Configuration options make it easy to select different options with regard to preferences. It is possible to:

- Choose between °C and °F temperature display.
- Choose between displaying the room temperature or the setpoint as the default value on the display. If the room temperature is displayed as the default, the increase/decrease buttons will switch to setpoint display and a timeout will retain the room temperature display.
- Change the timeout value.
- Configure the fan setting
- Choose the displayed room and setpoint temperature resolution.
- Choose the maximum setpoint offset span.
- Select or deselect the bypass function.

DIMENSIONS mm (in)



- Choose the “Reftemp” value. This is a value around which the setpoint can be adjusted. The difference between the displayed setpoint and Reftemp is sent to the controller as a setpoint offset.

Communication

The communication between STR150 and the controller is one-way, from STR150 to Xenta 100.

Wiring

The STR150 uses a three-wire installation. The wiring is easily accessible thanks to the plug-in concept.

Cables

Twisted pair, unshielded. Min. cross-sectional area: 0.7 mm² (AWG-19). Max. distance: 30 m (100 ft).

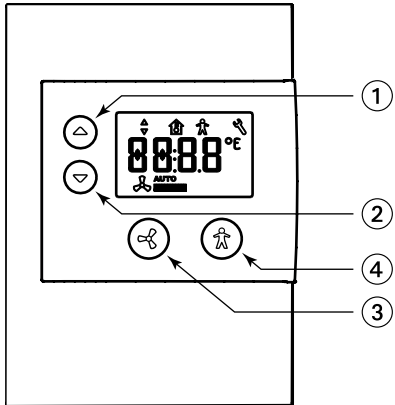
Mounting

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, the wall module may be cleaned with a soft cloth.

STR150



- 1. Increase button.
- 2. Decrease button.
- 3. Fan speed button.
- 4. Bypass button.

Figure 2

