STR250

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 STR250 replaces the I/STAT LCD with regard to major functionality such as indoor and outdoor temperature indication, setpoint adjustment, bypass mode and fan speed commands.

The STR250 can be used with the 7728, MRs, and Xenta 102-AX controllers.

SPECIFICATIONS

Power

Supply voltage . . . . . from controller

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 . . . . . .85 g (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

Flammability

UL . . . . . UL 94 V-0

Temperature Range

Temperature range and resolution. . . . . controller dependent

Accuracy . . . . . ±0.6 °C (1.1 °F)

Sensor time constant . . . . . 9 min.

Sensor element . . . . . 10 kΩ thermistor

Temperature Updates

Display . . . . . 10 sec.

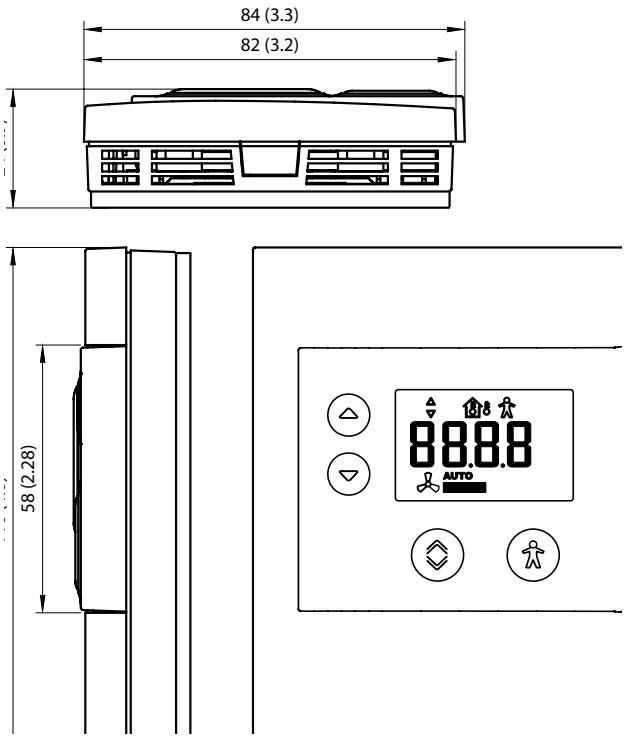
Data Communication

Type . . . . . serial to Xenta 102-AX

Part Number

STR250 004603300

DIMENSIONS mm (in)



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.

Select Button

The Select button is used to step through the menu.

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.

Controller Dependant

The functions of the STR250 are controller dependent. All local configuration is carried out using an M/STAT module.

Adjusting the Room Temperature

Use the Select button to step through the menu until the Increase and Decrease arrows are displayed. In this mode, change the temperature setpoint using the Increase/Decrease buttons.

Monitoring the Temperature

Use the Select button to step through the menu until the symbols for indoor or outdoor temperature are displayed.

Adjusting the Fan Speed

Use the Select button to step through the menu until the fan symbol is displayed. If the fan is controllable, use the Increase/Decrease buttons.

Configuration

All local configuration steps for the controller are carried out using an M/STAT module plugged into the core panel of the STR250.

Communication

The communication between STR250 and the controller is one-way, from STR250 to Xenta 100.

Wiring

The STR250 uses a three-wire installation. The wiring is easily accessible thanks to the plug-in concept.

Cables

Twisted pair, shielded. Min. cross-sectional area: 0.25 mm² (AWG-24). Max. distance: 30 m (100 ft). Max. capacitance, conductor-conductor: 30 pF. Max. capacitance, conductor-shield: 55 pF.

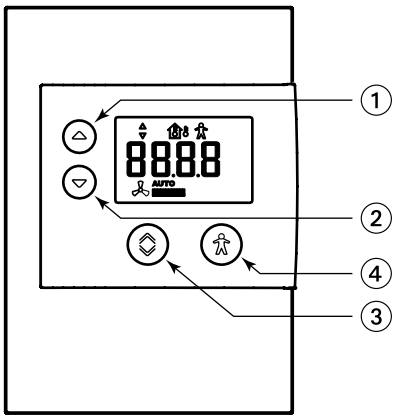
Mounting

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.

STR250



1. Increase button.
2. Decrease button.
3. Select button.
4. Bypass button.

Figure 2