



Modular jack RJ10TP/FT-10, 78 kbps

LonMark Standard

Interoperability . . LonMark Interop. Guidelines v. 3.3

LonMark Functional Profiles

Space Comfort Control Command Module: #8090

Switch: #3200

Non-SNVT support in Xenta v. 3.61 or higher

Part Number

STR350: Sensor temp room 004605000

STR351: Sen. temp room w. backlight . 004605100

FUNCTIONS

Increase Button

The increase button is used to increase the temperature setpoint.

The Increase button is used to increase or turn on the selected value or function.

Decrease Button

The decrease button is used to decrease the temperature setpoint.

The Decrease button is used to decrease or turn off the selected value or function.

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.

The Select button is used to toggle between all configured functions. If a value is associated with the function it will appear on the display.

Bypass/On-Off Button

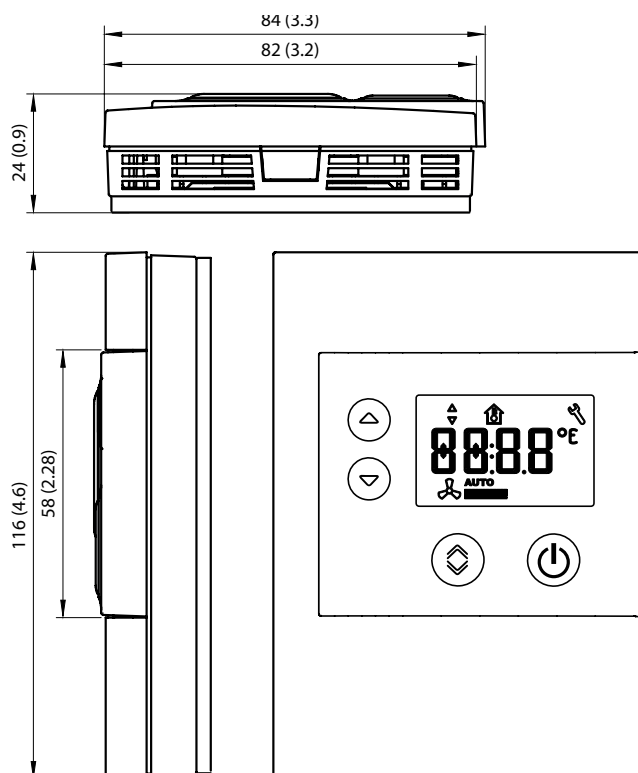
The bypass button is used to change from standby (economy) or unoccupied mode to comfort mode. When entering comfort mode, the symbol on the display shows a steady light. When the bypass time expires, the symbol returns to its previous status again, provided that the feedback mode is connected. Otherwise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

If configured for On-Off function, pressing the button will toggle between the On/Comfort and Off/Economy modes for the HVAC functions, as well as for the light function.

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.

DIMENSIONS mm (in)



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.

System Options

The STR350/351 may be used in two kinds of systems

- SNVT based (binding tool required),
- Vista Classic configuration.

Both types of communication can be used in the same STR350/351 device.

The following functions are available:

Function	SNVT Based	Vista Classic
Basic HVAC	X	X
CO2/RH/Occupancy	X	X
Sun blind	X	—
Light control	X	—

Application Options

Configuration is made with the Plug-in or with TAC Vista/Menta, which makes it easy to select different options with regard to the application. Some examples:

- 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 by default, the Increase/Decrease buttons will switch the display to the setpoint value, while a time-out will restore the room temperature display.

- Configure the fan setting.
- Choose the displayed room and setpoint temperature resolution.
- Configure the setpoint span.
- Select between absolute or offset setpoint value.
- Configure the bypass function.
- Configure the light and/or the sunblind control.
- Select optional input: CO₂, %RH or occupancy detection.

Wiring

A four-wire installation is required for basic operation (LON and power supply). When the auxiliary input is used another two-wire connection is required.

Cables

Twisted pair, unshielded. Min. cross-sectional area: 0.25 mm² (AWG-24). Max. distance: 30 m (100 ft).

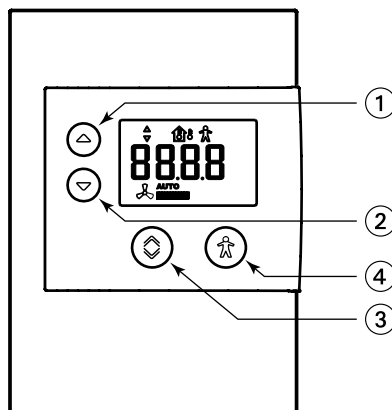
Mounting

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.

STR350-STR351



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

Figure 2

LONMARKS OBJECTS AND NETWORK VARIABLES

Note! Only in SNVT-based systems!

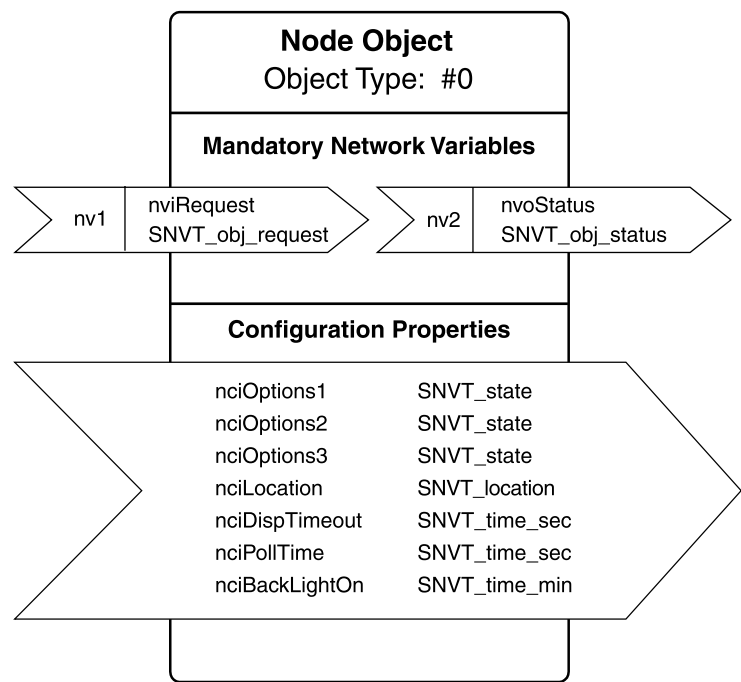


Fig 2: Node object

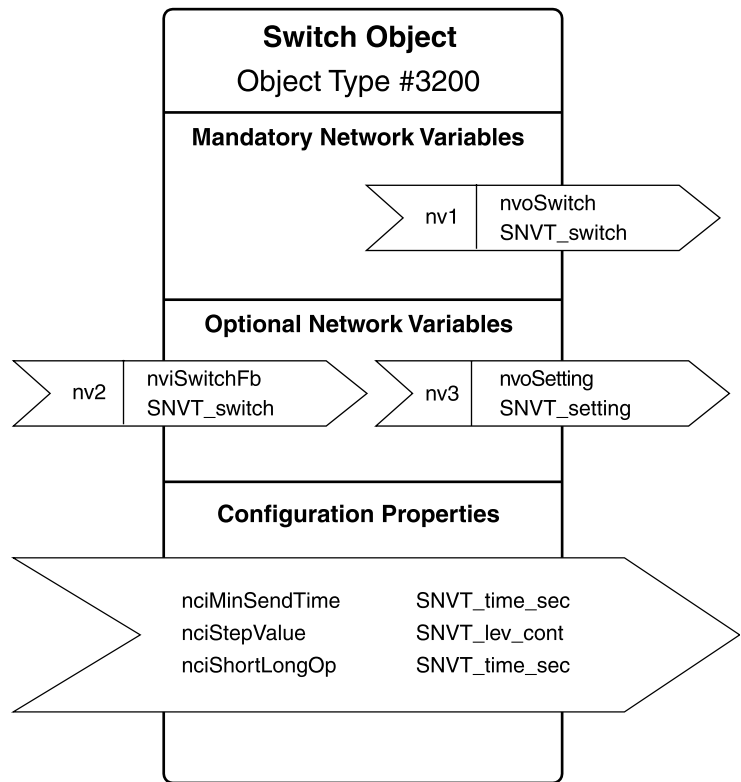


Fig 3: Switch object (SW#1 and SW#2)

LONMARKS OBJECTS AND NETWORK VARIABLES

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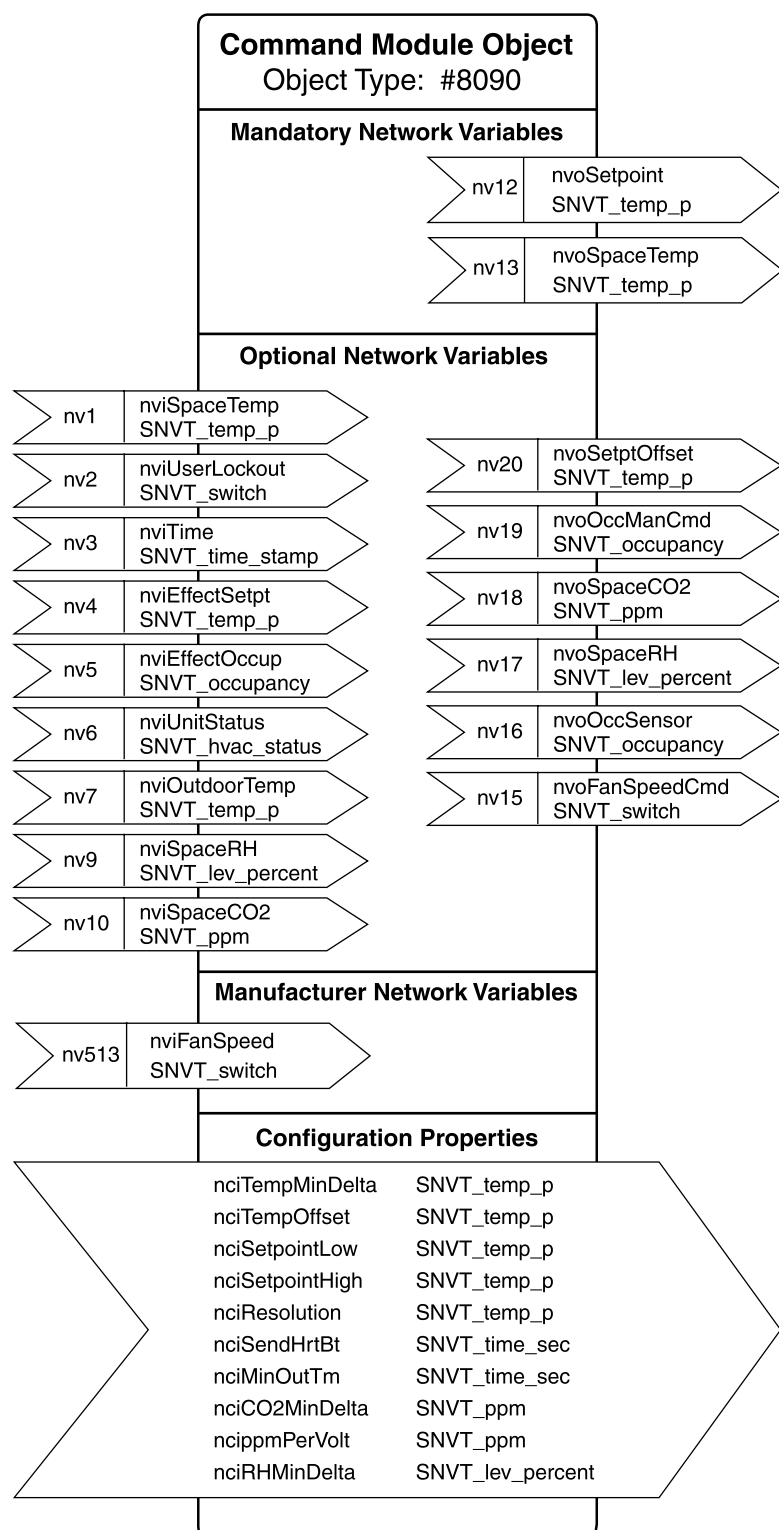


Fig 4: Space comfort command module object