

T7600 LonTalk® Communicating Thermostat



The T7600 series LonTalk® communicating single stage and multi-stage communicating thermostat has been specifically designed to control packaged and split HVAC equipment on a LonWorks® network.

The product is available with and without scheduling capability and features an intuitive, menu-driven, back-lit LCD display. Configuration can be performed directly on the thermostat, through the usage of a concealed button or via a network plug-in. The plug-in also permits all parameters to be downloaded to the device through the network.

The T7600 comes with a complete line of temperature sensors and is compatible with most types of HVAC equipment, including heat pumps. In addition, a unique model with integrated economizer logic permits direct interface with proportional damper actuators found on packaged rooftop units.

Features:

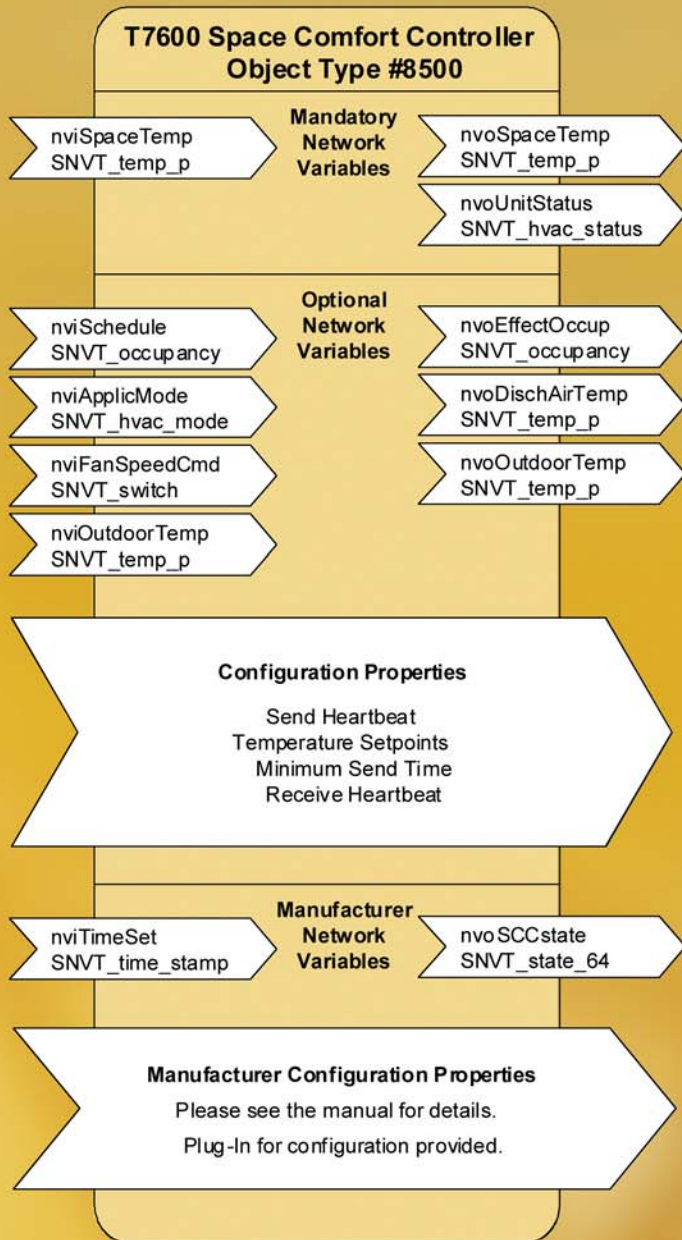
- Conforms to LonMark profile 8500 (space comfort controller)
- Simple, menu-driven operation with pop-up help messages
- PI control algorithm
- Models available with and without scheduling capability
- 7 day scheduling with 2 or 4 events.
- Schedules and setpoints can be modified at the thermostat or through the network
- Unique model with integrated economizer logic
- Two configurable digital inputs for monitoring
- Available with up to 3 auto-detect remote sensors for greater functionality
- Auxiliary output on models with scheduling capability may be used to disable damper in night mode
- Removable terminal blocks facilitates wiring
- Lockable keypad for tamper proof installations
- Setpoint limitation for heating and cooling
- EEPROM memory permanently retains parameters
- 6 hour clock retention time
- Complete temperature sensor line

Now, you can talk to the walls at 78 Kbps.



T7600 LonTalk® Communicating Thermostat

Functional Profile Number 8500



T7600 LonTalk® Models

With Scheduling Capability

Model	Application
T7652A1000E	1 heat / 1 cool
T7652B1000E	2 heat / 2 cool
T7656B1000E	2 heat / 2 cool + economizer
T7652H1000E	3 heat / 2 cool heat pump

Without Scheduling Capability

Model	Application
T7600A1000E	1 heat / 1 cool
T7600B1000E	2 heat / 2 cool
T7605B1000E	2 heat / 2 cool + economizer
T7600H1000E	3 heat / 2 cool heat pump

Specifications:

Processor:	Neuron® 3120
Communication:	LonTalk® protocol
Tranceiver:	TP/FT-10; 78 Kpbs
Memory:	EEPROM
Power requirements:	19-30 V AC.; 50/60 Hz; 2 VA Class 2
Control accuracy:	± 0.9°F (± 0.5° C) @ 70°F (21°C) typical calibrated
Setpoint range:	Heating: 40 to 90°F (4.5 to 32°C)
Cooling:	54 to 100 °F (12 to 37.5 °C)
Sensor:	Local 10 KΩ NTC
Relay output rating:	1.0 Amp running @ 30 V AC 3.0 Amp inrush @ 30 V AC Relay dry contact
Digital inputs:	4.94H x 3.38W x 1.13D inches
Dimensions:	12.5H x 8.6W x 2.9D cm.
Agency approvals:	cULus File E234137
FCC compliance:	Class B, part 15, subpart B

Space Comfort Controller
LonMark® Objects and Network Variables

