

# ***FUTURA***

Low Profile  
Wall-Mount  
Temperature  
Sensor



**FUTURA** is a line of precise, rugged area-temperature sensors for HVAC system control. Futura housings feature inconspicuous, snag-free styling that blends with any office decor.

**LOGIC ONE® – technology you can rely on**

Novar's LOGIC ONE Advanced Building Control System delivers better reliability, greater versatility and more standard features than any other building control system on the market. LOGIC ONE technology is designed to maximize the operational efficiency of any HVAC or lighting system. The result: lower energy costs, increased comfort, and reduced equipment maintenance.

*Bottom Line: With Novar  
You Know It's Accurate*

**NOVAR**<sup>®</sup>  
CONTROLS

*With Novar, you know.*

LOGIC ONE



## Specifications

# **FUTURA**

Futura temperature sensors are designed for indoor placement wherever attractive, contemporary styling is desired. The snag-free profile prevents damage to clothing and other objects. As part of a Novar control system, Futura sensors provide accurate, reliable data for optimum temperature control.

### Physical Characteristics

<b>Height:</b>	2.125 inches.
<b>Width:</b>	3.125 inches.
<b>Depth:</b>	1.125 inches.
<b>Mounting:</b>	Mounting holes (two for each application) allow fastening to an interior wall or to the optional adapter plate or thermostat handy box.

### Operating Environment

<b>Temperature:</b>	Room temperature. Not intended for outdoor installation.
<b>Humidity:</b>	0 to 95% relative, noncondensing.

### Electrical

<b>Power:</b>	Low voltage supplied from controller.
<b>Wiring:</b>	22-AWG or larger diameter.
<b>Maximum Wiring Length:</b>	FTS-1 – 5,000 feet. FTS-2 and FTS-2A – 500 feet. FTS-3 and FTS-3A – 100 feet.
<b>Status Indication:</b>	Schedule-status indicator LED.

### FTS-1

<b>For use with the following Novar controllers:</b>	Input/Output Module (IOM). Input/Output Module/2 (IOM/2). Savvy™ Executive Controller (EC). Hawki™ Electronic Thermostat Module models ETM-2010, ETM-2020, ETM-2024, ETM-2040.
<b>Controlling Range:</b>	20° to 120° F (-7° to 49° C).
<b>Output:</b>	4 to 20mA.
<b>Standard Features:</b>	Timed override button. Status LED.

### FTS-2 and FTS-2A

<b>For use with the following Novar controllers:</b>	Variable Air Volume Controller (VAV-4020). ETM-3010.
<b>Controlling Range:</b>	20° to 127° F (-7° to 53° C).
<b>Output:</b>	0 to 3.5VDC.
<b>Standard Features:</b>	Timed override button. Status LED. FTS-2A only - temperature setpoint adjustment.

### FTS-3 and FTS-3A

<b>For use with the following Novar controllers:</b>	Unit Ventilator Controller (UVC). Electronic Thermostat Controller (ETC). ETM-3051. Heat Pump Controller Plus (HPC Plus).
<b>Controlling Range:</b>	20° to 127° F (-7 to 53° C).
<b>Standard Features:</b>	Timed override button. Status LED. FTS-3A only - temperature setpoint adjustment.

### Optional Futura Adapter Plate

<b>Application:</b>	Allows Futura sensors to be mounted on a standard 2-inch by 4-inch electrical handy box.
<b>Mounting:</b>	Two holes to fit handy box.
<b>Size:</b>	3.125 inches by 4.25 inches by .1875 inches deep.

### Optional NovarNet Data Jack

<b>Application:</b>	Allows a personal computer to connect to the sensor for system access. Accepts a standard mini-stereo plug.
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