Room Temperature Controller HTC100

Constant or Variable Supply Air Volume Applications in the Healthcare Industry

HealthTrack®

- Used with AccuValve® Model AVC
- CV or VAV Supply with Exhaust Tracking
- Simple User Interface
- Color LCD Display with LED Backlight
- Native BACnet®
- Several Levels of Password Protection

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The Accutrol HealthTrack® controller is a wall mounted room temperature controller designed for seamless integration with the AccuValve model AVC (with standard speed actuator) electronic pressure independent airflow control valve. The controller incorporates algorithms specific for use in the healthcare industry for patient rooms, isolation rooms and other areas where precise airflow tracking control is required. It is used for either ***constant*** or ***variable*** supply air volume applications with or without duct discharge temperature input. The HealthTrack controller maintains accurate temperature control while the AVC maintains precise airflow control with large turndown capabilities.

Features

The HealthTrack room temperature controller, in conjunction with the AccuValve AVC control valve, delivers:

- Seamless integration
- Algorithms specifically designed for healthcare applications
- Attractive wall mounted display
- Simple user interface
- Color LCD display with LED back lighting
- Separate levels of passwords
- Built-in clock for scheduling if desired
- Native BACnet® for building automation integration

Application

The HealthTrack room temperature controller has many applications within the healthcare industry when combined with the AccuValve AVC control valve. Sample applications are:

- Patient rooms
- Isolation rooms
- Operating rooms
- Hospital pharmacy

The HealthTrack room temperature controller, in conjunction with the AccuValve AVC control valve, can be used for:

- Constant Volume (CV) Airflow with Temperature Control (with supply air discharge temperature sensor)
- Constant Volume (CV) Airflow with Temperature Control (without supply air discharge temperature sensor)
- Variable Volume (VAV) Airflow with Temperature Control (with supply air discharge temperature sensor)
- Variable Volume (VAV) Airflow with Temperature Control (without supply air discharge temperature sensor)

Additional Accutrol Product Reference

AccuValve AVC6000

Specifications

PERFORMANCE

Temperature	Built-In	Remote (optional)	Duct Mount (optional)
Model	Included	RTS 100	DTS 100
Accuracy	±0.36° F (±0.2° C)	±0.36° F (±0.2° C)	±0.36° F (±0.2° C)
Type	Type II thermistor	Type II thermistor	Type III thermistor
Resistance	10,000 ohm at 77° F (25° C)	10,000 ohm at 77° F (25° C)	10,000 ohm at 77° F (25° C)
Operating Range	48° to 96° F (8.8° to 35.5° C)	48° to 96° F (8.8° to 35.5° C)	-4° to 221° F (-20° to 105° C)

ELECTRICAL

Input Power	24 VAC -15%, +20%, 50-60 HZ, 12VA Class 2 All circuits, including power supply voltage, are power limited circuits
Analog Inputs	2 – Integrated 10K pullup
Analog Outputs	2 – 0 to 10 VDC @ 10 mA max.
Digital Inputs	1 – Dry contact
Communications	Integral peer-to-peer BACnet MS/TP
	Network speeds from 9600 to 76800 baud
	Front panel configurable device instance, MAC address, and baud
	Automatic baud detection
	Screw terminal block mounted to backplate Wire size 14-22 AWG
	Meets or exceeds ANSI/ASHRAE BACnet Standard 135-2008 for Application Specific Controller

ENVIRONMENTAL

Temperature	
Operating	32° to 120° F (0° to 49° C)
Shipping	-40° to 160° F (-40° to 60° C)
Humidity	0% to 95% non-condensing

REGULATORY

UL 916 Energy Management Equipment
FCC Class A, Part 15, Subpart B and complies with Canadian ICES-003 Class B
BACnet Testing Laboratory listed as an Application Specific Controller

HealthTrack® Room Temperature Controller Ordering Guide

HTC 1 1 ☐

Controller Version

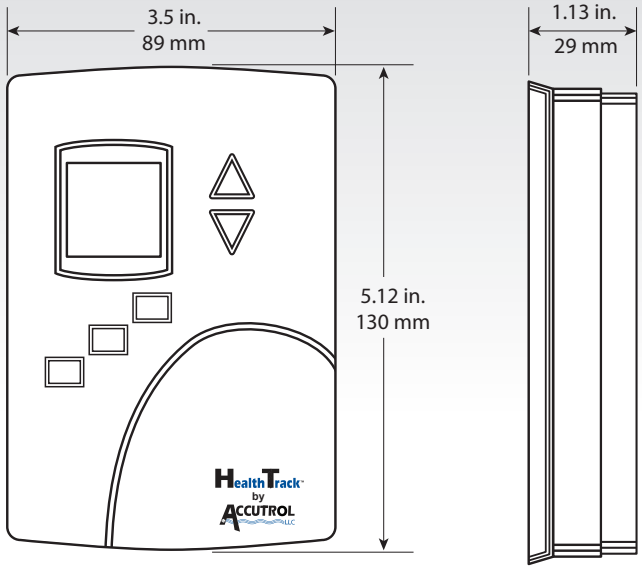
1 = Version 1

Enclosure Color

1 = White

Motion Sensor

0 = Without Integral Motion Sensor
1 = With Integral Motion Sensor



Your representative is: