Communicating Thermostats: Floating Outputs, Zone Control

VT7200C5x00 Series

VT7200C5000

VT7200C5500

SPECIFICATIONS

2 Year Warranty

Thermostat Power Requirements	19-30VAC; 50 or 60 Hz; 2VA Class 2
Operating Conditions	0° to 50°C (32° to 122°F); 0 to 95% RH non-condensing
Storage Conditions	-30° to 50°C (-22° to 122°F); 0 to 95% RH non-condensing
Temperature Sensor	Local 10 K NTC thermistor
Resolution	± 0.1°C (± 0.2°F)
Control Accuracy *Temp*	±0.5°C (±0.9°F) @ 21°C (70°F) typical, calibrated
Occupied and Unoccupied Setpoint Range Cooling	12° to 38°C (54° to 100°F)
Occupied and Unoccupied Setpoint Range Heating	4.5° to 32°C (40° to 90°F)
Room and Outdoor Air Temperature Display	-40° to 50°C (-40° to 122°F)
Proportional Band for Room Temperature Range Control	Cooling & Heating: 1.8°C (3.2°F)
Binary Inputs	Dry contact across terminal BI1, BI2 & UI3 to Scom
Outputs Rating	Triac output: 30VAC, 1A max., 3A in-rush; Analog: 0 to 10VDC into 2kΩ resistance min.
Economizer Analog Output Rating	0 to 10VDC into 2kΩ resistance min.
Economizer Analog Output Accuracy	±3% typical
Wire Gauge	18 gauge maximum, 22 gauge recommended
Dimensions	4.94" x 3.38" x 1.13"
Approximate Shipping Weight	0.75 lb (0.34 kg)

UL: 873 (US) and CSA C22.2 No. 24 (Canada), File E27734 with CCN , XAPX (US) and XAPX7 (Canada)
FCC: Compliant to CFR 47, Part 15, Subpart B, Class A (US)
Industry Canada: ICES-003 (Canada)
CE: EMC Directive 89/336/EEC (European Union)
C-Tick: AS/NZS CISPR 22 Compliant (Australia / New Zealand); Supplier Code Number N10696

BACnet, Echelon, And Wireless Models Available

FEATURES

- *Advanced occupancy functions through the network or smart local occupancy sensing*
- *3 configurable inputs...adds functionality*
- *Pre-configured sequences of operation...one model meets more applications... reduces project delivery cost*
- *Unique local configuration utility...minimizes parameter tampering*
- *Lockable keypad...tamper resistant, no need for thermostat guards*
- *Auxiliary output...can be used for lighting or reheating*
- *Available with various open industry standard communication adapters...adds network integration functionality for additional savings*

DESCRIPTION

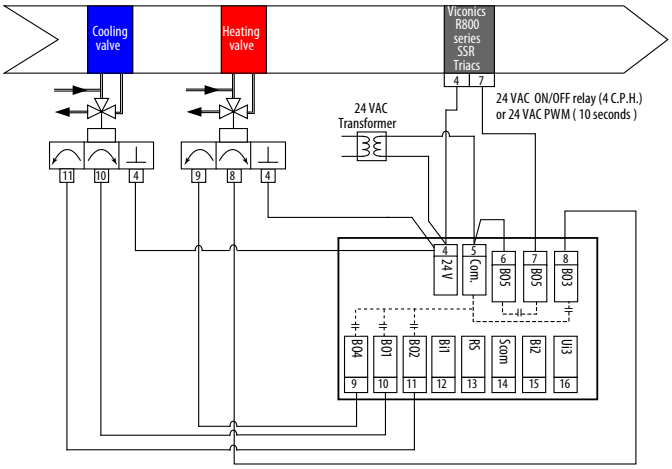
The **VT7200C5x00 Series** features a backlit LCD display with dedicated function menu keys for simple operation. Accurate temperature control is achieved using the PI proportional control algorithm. Models have two 3-point floating outputs (can be set for On/Off). In addition, remote room sensing is available. All models contain an auxiliary contact that can be used to control lighting or auxiliary reheat. All devices are also available with Echelon, BACnet MS-TP, or wireless network adapters.

APPLICATIONS

- *Heating/Cooling valves*
- *Electric duct heaters*
- *Changeover sensors*

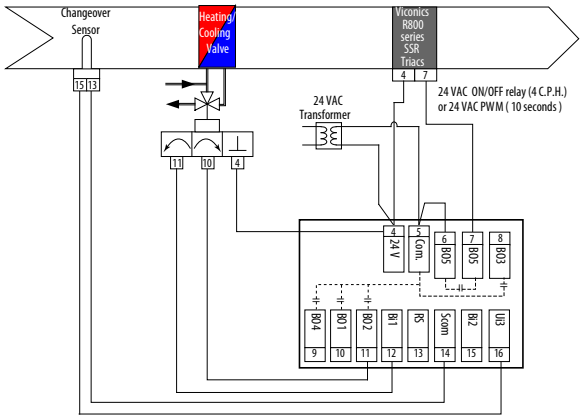
WIRING EXAMPLES

Typical 4-Pipe Application



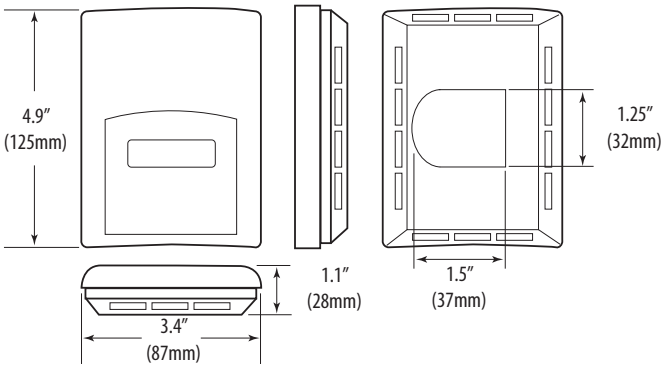
** Use for heating and cooling valves and electric duct heaters.*

Typical 2-Pipe Application



** Use for heating and cooling valves, electric duct heaters, and changeover sensors.*

DIMENSIONAL DRAWING



ORDERING INFORMATION

MANUF. PART #	ORDERING #	DESCRIPTION	COMM.
VT7200C5000	U008-0001	Zone Thermostat with 2 Floating + 1 Digital; PIR ready (PIR cover not included)	Stand alone
VT7200C5000B	U008-0002		BACnet (MS/TP)
VT7200C5000E	U008-0003		Echelon
VT7200C5000W	U008-0004		Wireless (Zigbee)
VT7200C5500	U008-0005	Zone Thermostat with 2 Floating + 1 Digital; PIR factory-equipped	Stand alone
VT7200C5500B	U008-0006		BACnet (MS/TP)
VT7200C5500E	U008-0007		Echelon
VT7200C5500W	U008-0008		Wireless (Zigbee)