

## VT7200 SERIES

BACnet, Echelon, and Wireless  
Models Available



VT7200C5000



VT7200C5500

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.

### SPECIFICATIONS

|  |   |
|--|---|
| Thermostat Power Requirements                        | 19 to 30 Vac; 50 or 60 Hz; 2 VA 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 10k 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: 30 Vac, 1 A max., 3 A in-rush;<br>Analog: 0 to 10 Vdc into 2k Ω resistance min. |

### Advanced occupancy functions

Advanced occupancy functions through the network or smart local occupancy sensing

### Auxiliary output

Can be used for lighting or reheating

### Pre-configured sequences

Pre-configured sequences of operation...one model meets more applications and reduces project delivery cost

### APPLICATIONS

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

### Minimize parameter tampering

Unique local configuration utility

### Lockable keypad

Tamper resistant, no need for thermostat guards

### Configurable inputs

Three configurable inputs for added functionality

|                                   |  |
|-----------------------------------|--|
| Economizer Analog Output Rating   | 0 to 10 Vdc into 2k Ω 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)                      |

### WARRANTY

|                  |         |
|------------------|---------|
| Limited Warranty | 2 years |
|------------------|---------|

### AGENCY APPROVALS



\*The CE mark indicates RoHS2 compliance. Please refer to the CE Declaration of Conformity for additional details.

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)

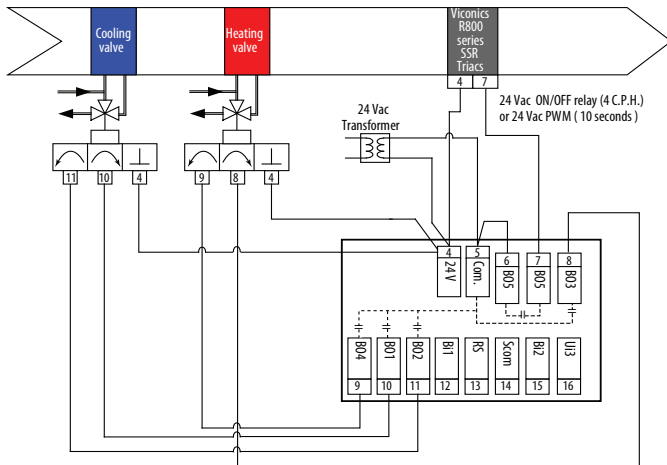
Industry Canada: ICES-003 (Canada)

CE: EMC Directive 2004/108/EC (European Union)



### TYPICAL 4-PIPE APPLICATION

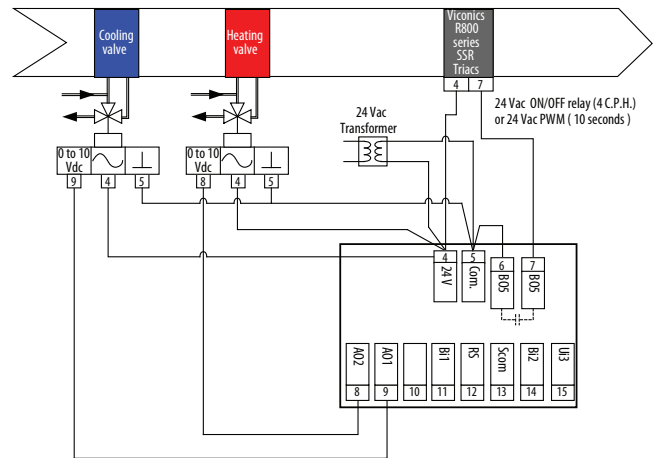
Wiring Examples



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

### TYPICAL 4-PIPE APPLICATION

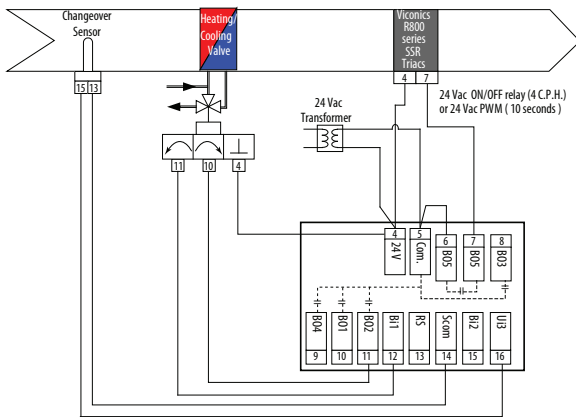
Wiring Examples



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

### TYPICAL 2-PIPE APPLICATION

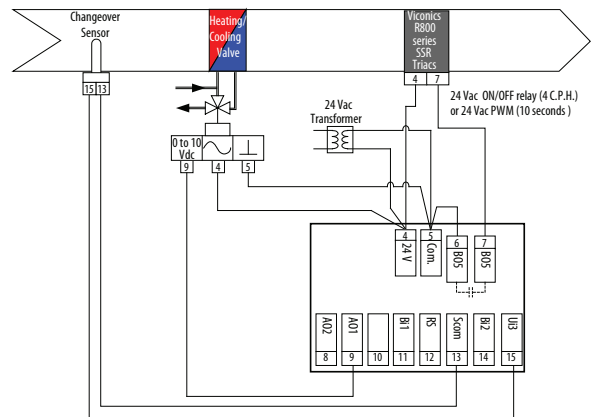
Wiring Examples



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

### TYPICAL 2-PIPE APPLICATION

Wiring Examples



### ORDERING INFORMATION

| MANUF. PART # | ORDER #   | DESCRIPTION                                  | COMM.             |
|---------------|-----------|--|-------------------|
| VT7200C5000   | U008-0001 | Zone Thermostat with 2 Floating + 1 Digital; | Stand alone       |
| VT7200C5000B  | U008-0002 | PIR ready                                    | BACnet (MS/TP)    |
| VT7200C5000E  | U008-0003 | (PIR cover not included)                     | Echelon           |
| VT7200C5000W  | U008-0004 |  | Wireless (Zigbee) |
| VT7200C5500   | U008-0005 | Zone Thermostat with 2 Floating + 1 Digital; | Stand alone       |
| VT7200C5500B  | U008-0006 | PIR factory-equipped                         | BACnet (MS/TP)    |
| VT7200C5500E  | U008-0007 |  | Echelon           |
| VT7200C5500W  | U008-0008 |  | Wireless (Zigbee) |
| VT7200F5000   | U008-0009 | Zone Thermostat with 2 Analog + 1 Digital;   | Stand alone       |
| VT7200F5000B  | U008-0010 | PIR ready                                    | BACnet (MS/TP)    |
| VT7200F5000E  | U008-0011 | (PIR cover not included)                     | Echelon           |
| VT7200F5000W  | U008-0012 |  | Wireless (Zigbee) |
| VT7200F5500   | U008-0013 | Zone Thermostat with 2 Analog + 1 Digital;   | Stand alone       |
| VT7200F5500B  | U008-0014 | PIR factory-equipped                         | BACnet (MS/TP)    |
| VT7200F5500E  | U008-0015 |  | Echelon           |
| VT7200F5500W  | U008-0016 |  | Wireless (Zigbee) |

### DIMENSIONAL DRAWING

