



Building Automation

Controllers and Sensors



KMC FlexStat BACnet Controllers—Built-in program library can be customized with site-specific and application-specific requirements. Connect to any system using the ASHRAE BACnet communication protocol. UL Listed.

- 64 x 128 dot matrix LCD
- 24VAC
- Wire clamp 14-22 AWG connection
- Wall mount

KMC Temperature Sensors—Type 2 and type 3 10k ohm resistors.

Siemens—Installed sensors provide accurate environmental measurements to Siemens and other HVAC control systems.

Johnson Controls—Temperature sensors provide economical solutions for a wide variety of temperature sensing needs. The Humidity All-Polymer sensor construction provides improved resistance to chemical corrosion. Innovative TrueRH circuitry and calibration process for True±2 or 3% humidity sensing accuracy and reliability. Carbon dioxide sensors include an innovative CARBOCAP sensor, with its single-beam, dual-wavelength design, for superior performance compared to other technologies.

Honeywell Pneumatic Thermostat—This direct-wired pneumatic thermostat has a temperature sensor and a user-selectable temperature setpoint in Fahrenheit, Celsius, and Relative (+ to -).

**KMC
6HXT6****Siemens
48RH63**

| Type | Mfr. Model | Item No. |
|--|--------------|----------|
| KMC FlexStat BACnet Controllers | | |
| 6 Relay And 3 Universal Outputs | BAC-120063CW | 6HXR4 |
| 6 Relay And 3 Universal Outputs With Occupancy Sensor | BAC-121063CW | 6HXR6 |
| 3 Relay And 6 Universal Outputs | BAC-120036CW | 6HXR8 |
| 3 Relay And 6 Universal Outputs With Humidity | BAC-120136CW | 6HXR9 |
| 3 Relay And 6 Universal Outputs With Occupancy Sensor | BAC-121036CW | 6HXT0 |
| 3 Relay And 6 Universal Outputs With Humidity And Occupancy Sensor | BAC-121136CW | 6HXT1 |

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| KMC Temperature Sensors | | |
| 4 in Duct Rigid | STE-1405 | 6HXT8 |
| 8 in Duct Rigid | STE-1402 | 6HXT6 |
| 12 in Duct Rigid | STE-1404 | 6HXT7 |
| 6 ft Duct Averaging | STE-1415 | 6HXT9 |
| 12 ft Duct Averaging | STE-1416 | 6HXU0 |
| Room, Flat Plate | STE-1430 | 6HXU1 |
| Outside Air | STE-1451 | 6HXU2 |
| Wall | STE-6011-10 | 6HXU3 |

| Description | Mfr. Model | Item No. |
|---|--------------|----------|
| Siemens Room Temperature Sensors, For Use With BACnet System | | |
| Inputs: RJ11, Outputs: 1k ohm Pt 385a RTD | QAA2212.EWSN | 48RH63 |
| Inputs: 18 to 36V DC or 24 V AC, Outputs: Digitally Communicating (TEC Only) | QAA2280.FWSC | 48RH76 |
| Inputs: 18 to 36V DC or 24 V AC, Outputs: Digitally Communicating (TEC Only) | QAA2280.EWSC | 48RH75 |
| Inputs: 18 to 36V DC or 24 V AC, Outputs: Digitally Communicating (TEC Only), Display: OLED | QAA2280.DWSC | 48RH74 |

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| Siemens Room Humidity/Temperature Sensor, For Use With BACnet System | | |
| Inputs: 18 to 36V DC or 24 V AC, Outputs: Digitally Communicating (TEC Only) | QFA3280.FWSC | 48RH85 |
| Inputs: RJ11, Outputs: 0 to 10V/0 to 5V/4 to 20mA, Display: OLED | QFA32SS.FWSN | 48RH87 |
| Inputs: RJ11, Outputs: 0 to 10V/0 to 5V/4 to 20mA | QFA32SS.EWSN | 48RH86 |

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| Siemens Air Quality (CO₂) Sensors | | |
| Wall-Mount, 0-10V Output | QPA2000 | 5WYE8 |
| Duct-Mount, 0-10V Output | QPM2100 | 5WYE9 |

| Description | Mfr. Model | Item No. |
|---|---------------|----------|
| Johnson Controls Temperature Sensors | | |
| Duct Plate, For Use with TE-6000 and A99 | TE-6001-1 | 36P612 |
| Duct Term. Element Holder, For Use with TE-6000 Series Elements | TE-6001-11 | 20XG80 |
| Nickel 1k ohm, 2 1/2 in L | TE-6000-100 | 36P611 |
| Nickel 1k ohm, 36 in L | TE-6000-1 | 36P610 |
| Nickel 1k ohm, 36 in L | TE-6300-603 | 36P617 |
| Nickel 1k ohm, Adjustable, Metal, For Use with Any BAS/DDC System | TE-6315M-1 | 36P628 |
| Nickel 1k ohm, Adjustable, Metal, For Use with Any BAS/DDC System | TE-6316M-1 | 36P630 |
| Nickel 1k ohm, Adjustable, Plastic, For Use with Any BAS/DDC System | TE-6315P-1 | 36P629 |
| Nickel 1k ohm, Adjustable, Plastic, For Use with Any BAS/DDC System | TE-6316P-1 | 36P631 |
| Nickel 1k ohm, Duct 18 in Metal, For Use with Any BAS/DDC System | TE-631JM-1 | 36P637 |
| Nickel 1k ohm, Duct 4 in, For Use with Any BAS/DDC System | TE-631GM-1 | 36P635 |
| Nickel 1k ohm, Duct Metal 8 in, For Use with Any BAS/DDC System | TE-6311M-1 | 36P621 |
| Nickel 1k ohm, Duct Plastic 8 in, For Use with Any BAS/DDC System | TE-6311P-1 | 36P622 |
| Nickel 1k ohm, Flange 4 in Metal, For Use with Any BAS/DDC System | TE-631GV-2 | 36P636 |
| Nickel 1k ohm, Flange 8 in, For Use with Any BAS/DDC System | TE-6311V-2 | 36P623 |
| Nickel 1k ohm, Flush Mount, For Use with Any BAS/DDC System | TE-6310F-1 | 36P620 |
| Nickel 1k ohm, For Use with Any BAS/DDC System | TE-6000-11 | 20XG79 |
| Nickel 1k ohm, For Use with Any BAS/DDC System | TE-6300-601 | 20XG87 |
| Nickel 1k ohm, For Use with Any BAS/DDC System | TE-6311A-1 | 20XG88 |
| Nickel 1k ohm, For Use with Any BAS/DDC System | TE-631AP-1 | 36P634 |
| Nickel 1k ohm, For Use with TE-67xx Sensor | TE-67NP-3B00 | 20XH01 |
| Nickel 1k ohm, Outdoor Air 3 in, For Use with Any BAS/DDC System | TE-6313P-1 | 36P638 |
| Nickel 1k ohm, Strap Mount 3 in, For Use with Any BAS/DDC System | TE-631S-1 | 36P638 |
| Nickel 1k ohm, Wall, For Use with Any BAS/DDC System | TE-6314P-1 | 36P627 |
| Nickel 1k ohm, Well, 6 in, For Use with Any BAS/DDC System | TE-631AM-1 | 36P632 |
| Nickel 1k ohm, Well, 6 in, For Use with Any BAS/DDC System | TE-631AM-2 | 36P633 |
| Nickel 1k ohm, Well, Metal, 8 in, For Use with Any BAS/DDC System | TE-6312M-1 | 36P624 |
| Nickel 1k ohm, Well, Plastic, 8 in, For Use with Any BAS/DDC System | TE-6312P-1 | 36P625 |
| Nickel 1k ohm with Phone Jack, For Use with Any BAS/DDC System | TE-67NP-0N00 | 36P652 |
| Nickel 1k ohm with Phone Jack, For Use with Any BAS/DDC System | TE-68NP-0N00S | 36P665 |
| Nickel 1k ohm with Terminal Block, For Use with Any BAS/DDC System | TE-67NT-0N00 | 36P657 |
| Nickel 1k ohm with Terminal Block, For Use with Any BAS/DDC System | TE-68NT-1N00S | 36P668 |
| Outside Air Housing, For Use with TE-6000 and A99 | TE-6001-2 | 36P613 |
| Platinum 1k ohm, Duct Plastic 8 in, For Use with Any BAS/DDC System | TE-6351P-1 | 36P640 |
| Platinum 1k ohm, Flange 8 in, For Use with Any BAS/DDC System | TE-6351V-2 | 36P641 |

**Johnson Controls
36P581****Johnson Controls
444M80**

| Description | Mfr. Model | Item No. |
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| Platinum 1k ohm, For Use with Any BAS/DDC System | TE-6351M-1 | 20XG91 |
| Platinum 1k ohm, For Use with Any BAS/DDC System | TE-6359-1 | 20XG92 |
| Platinum 1k ohm, For Use with Any BAS/DDC System | TE-635AM-2 | 20XG93 |
| Platinum 1k ohm, For Use with Any BAS/DDC System | TE-635AP-1 | 20XG94 |
| Platinum 1k ohm, For Use with Any BAS/DDC System | TE-635GM-1 | 20XG95 |
| Platinum 1k ohm, For Use with Any BAS/DDC System | TE-635JM-1 | 20XG96 |
| Platinum 1k ohm, For Use with Any BAS/DDC System | TE-635S-1 | 20XG97 |
| Platinum 1k ohm, For Use with TE-67xx Sensor | TE-67PP-0N00 | 20XH03 |
| Platinum 1k ohm, Wall, For Use with Any BAS/DDC System | TE-6324P-1 | 36P639 |
| Platinum 1k ohm with Terminal Block, For Use with Any BAS/DDC System | TE-67PT-0N00 | 36P663 |
| Platinum Equivalent 1k ohm, For Use with Any BAS/DDC System | TE-6327P-1 | 20XG89 |
| Platinum Equivalent 1k ohm, For Use with Any BAS/DDC System | TE-6328P-1 | 20XG90 |
| Thermistor 10k ohm Type 2, Duct 4 in Metal, For Use with Any BAS/DDC System | TE-636GM-1 | 36P646 |
| Thermistor 10k ohm Type 2, Duct 8 in Metal, For Use with Any BAS/DDC System | TE-6361M-1 | 36P642 |
| Thermistor 10k ohm Type 2, Duct 8 in Plastic, For Use with Any BAS/DDC System | TE-6361P-1 | 36P643 |
| Thermistor 10k ohm Type 2, Duct Probe, For Use with Any BAS/DDC System | TE-636GV-2 | 20XG99 |
| Thermistor 10k ohm Type 2, Flange 8 in, For Use with Any BAS/DDC System | TE-6361V-2 | 36P644 |
| Thermistor 10k ohm Type 2, Outdoor Air, For Use with Any BAS/DDC System | TE-6360F-1 | 20XG98 |
| Thermistor 10k ohm Type 2, Outdoor Air, For Use with Any BAS/DDC System | TE-6363P-1 | 36P645 |
| Thermistor 10k ohm Type 2, Strap 3 in, For Use with Any BAS/DDC System | TE-636S-1 | 36P647 |
| Wall Plate, Gray, For Use with TE-6000 and A99 | TE-6001-4 | 36P615 |
| Wall Plate, White, For Use with TE-6000 and A99 | TE-1800-9600 | 36P609 |
| Wall Term. Sensor, For Use with System 450 | TE-68NT-0N00S | 36P667 |
| Well Mounting Kit, For Use with TE-6000 and A99 | TE-6001-3 | 36P614 |

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| Johnson Controls Humidity Sensors | | |
| 2%, Duct, For Use with Any BAS/DDC System | HE-69120NP | 36P581 |
| 2%, Duct, For Use with Any BAS/DDC System | HE-69520NP-0 | 20XJ61 |
| 2%, For Use with Any BAS/DDC System | HE-67N2-0N00W | 20XJ58 |
| 2%, Wall, For Use with System 450 | HE-68N2-0N00WS | 36P585 |
| 2%, Wall, Warmer/Cooler Adjustment, For Use with Any BAS/DDC System | HE-68N2-1N00WS | 36P586 |
| 3%, Wall, For Use with Any BAS/DDC System | HE-68P3-0N00WS | 20XJ62 |
| 3%, Wall, For Use with System 450 | HE-68N3-0N00WS | 36P587 |
| 3%, Wall, Warmer/Cooler Adjustment, For Use with Any BAS/DDC System | HE-68N3-1N00WS | 36P588 |

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| Johnson Controls Temperature/Humidity Sensors | | |
| Outdoor, 2-Wire, For Use with Any BAS/DDC System | HT-68P3-0N000 | 35LY70 |
| Outdoor, 3-Wire, For Use with Any BAS/DDC System | HE-68P3-0N000 | 35LY71 |

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| Johnson Controls Thermostat Controllers | | |
| Low Voltage Thermostat | TEC3630-14-000 | 55LT84 |
| Low Voltage Thermostat | TEC3631-14-000 | 55LT88 |

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| Johnson Controls End Of Line Terminator | | |
| For Use with BACnet System | MS-BACEOL-0 | 36P590 |

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| Johnson Controls CO₂ Transmitter | | |
| 3 1/2 in H x 1 1/2 in W, For Use with Mfr. No. Y65T31-0 | CD-P1000-00-00 | 444M80 |

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| Johnson Controls CO₂ and Temperature Transmitters | | |
| Platinum 1k ohm, Wall, For Use with BAS System | CD-W00-00-2 | 46AE84 |

| Description | Mfr. Model | Item No. |
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| Honeywell Pneumatic Thermostat | | |
| Deadband: 55° to 85°F, Overall Size: 4 3/4 in Height x 3 in Width x 1 in Depth | TR23 | 278Z33 |