



# Building Automation Controllers and Sensors



## KMC FLEXSTAT BACNET CONTROLLERS

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

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.

## 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 -).



Type	Mfr. Model	Item No.
<b>KMC FlexStat™ BACnet Controllers</b>		
6 Relay And 3 Universal Outputs	BAC-120063CW	6HXR4
6 Relay And 3 Universal Outputs With Humidity	BAC-120163CW	6HXR5
6 Relay And 3 Universal Outputs With Occupancy Sensor	BAC-121063CW	6HXR6
6 Relay And 3 Universal Outputs With Humidity and Occupancy Sensor	BAC-121163CW	6HXR7
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

KMC Temperature Sensors	Mfr. Model	Item No.
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.
<b>Siemens Room Temperature Sensors, For Use With BACnet System</b>		
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

Description	Mfr. Model	Item No.
<b>Siemens Room Temperature Sensors, For Use With BACnet System</b>		
Inputs: 18 to 36V DC or 24 V AC, Outputs: Digitally Communicating (TEC Only), Display: OLED	QAA2280.DWSC	48RH74

Description	Mfr. Model	Item No.
<b>Siemens Room Humidity/Temperature Sensor, For Use With BACnet System</b>		
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

Description	Mfr. Model	Item No.
<b>Siemens Air Quality (CO2) Sensors</b>		
Wall-Mount, 0-10V Output	QPA2000	5WYE8
Duct-Mount, 0-10V Output	QPM2100	5WYE9

Description	Mfr. Model	Item No.
<b>Johnson Controls Temperature Sensors</b>		
Duct Plate, For Use with TE-6000 and A99	TE-6001-1	36P612
Duct Temp. 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	36P626
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

Description	Mfr. Model	Item No.
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
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-635AM-2	20XG82
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 Temp. Sensor, For Use with System 450™	TE-68NT-0N00S	36P667
Wall Mounting Kit, For Use with TE-6000 and A99	TE-6001-3	36P614
<b>Johnson Controls Humidity Sensors</b>		
2%, Duct, For Use with Any BAS/DDC System	HE-67P2-0N00P	20XJ61
2%, Duct, For Use with Any BAS/DDC System	HE-69120NP	36P581
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
<b>Johnson Controls Temperature/Humidity Sensors</b>		
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
<b>Johnson Controls Thermostat Controllers</b>		
Low Voltage Thermostat	TEC3630-14-000	55LT84
Low Voltage Thermostat	TEC3631-14-000	55LT88
<b>Johnson Controls End Of Line Terminator</b>		
For Use with BACnet System	MS-BACOL-0	36P590
<b>Johnson Controls CO2 Transmitter</b>		
3 1/2 in H x 1 1/4 in W, For Use with Mfr. No. Y65T31-0	CD-P1000-00-00	444M80
<b>Johnson Controls CO2 and Temperature Transmitters</b>		
Platinum 1k ohm, Wall, For Use with BAS System	CD-W00-00-2	46AE84

Description	Mfr. Model	Item No.
<b>Honeywell Pneumatic Thermostat</b>		
Deadband: 55° to 85°F, Overall Size: 3/4 in Height x 3 in Width x 1 in Depth	TR23	278233