

Flexible building automation  
...for any size space



(Shown  
with Optional  
Occupancy Sensor  
and Light Almond Case)

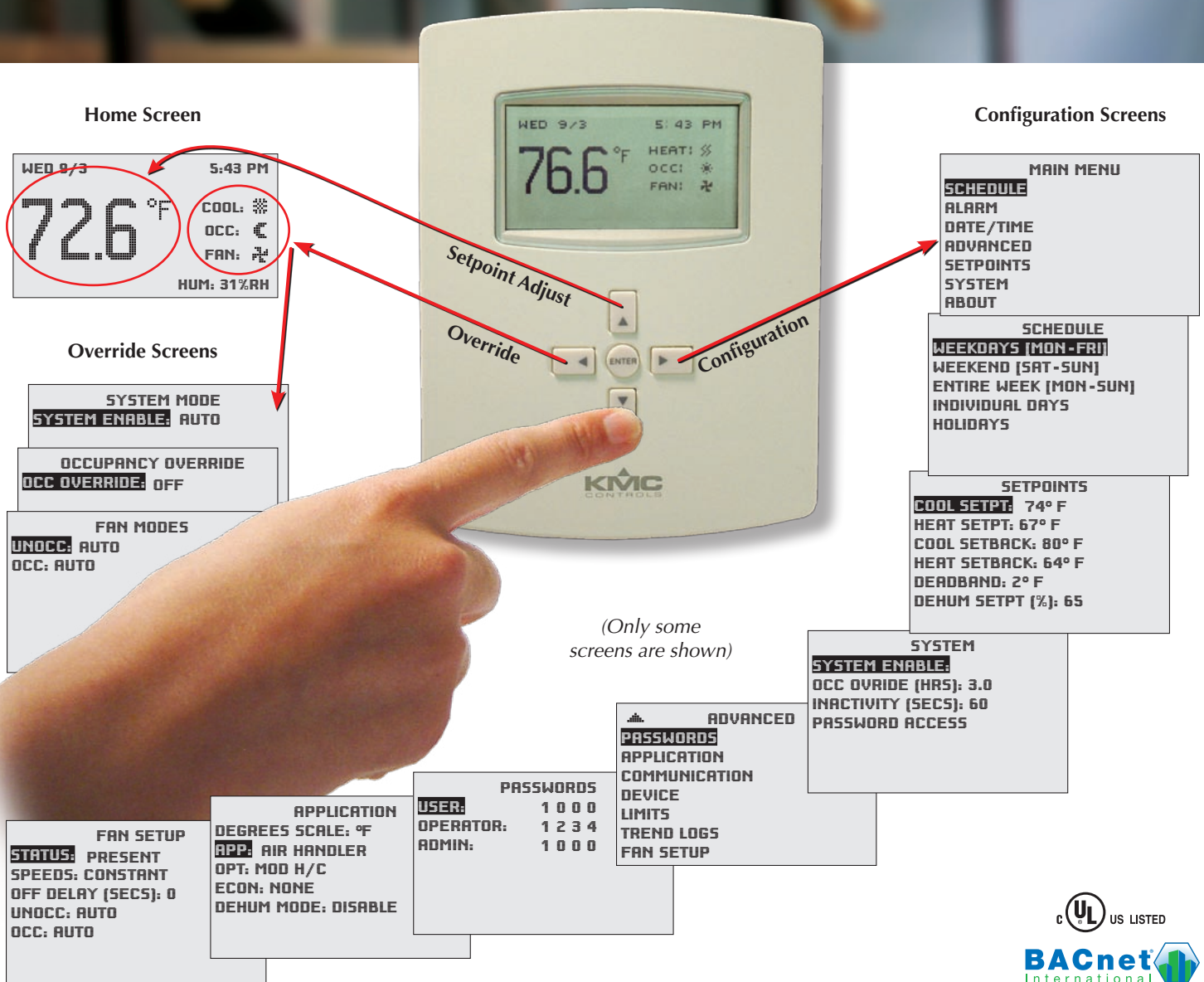
## BAC-10000 Series FlexStat™ BACnet Programmable Thermostats

Flexible, powerful, yet simple building  
automation for any size of comfort zone





# Flexible control at your fingertips



What if you could have **flexible, set-and-forget control** over the environment in your building without the expense of a large building automation system? Well, now you can, with the KMC FlexStat.

The FlexStat series of intelligent temperature/humidity/occupancy-sensing, wall-mounted, thermostat/controllers are native BACnet Advanced Application Controllers (B-AAC) for connection with a BACnet system. The FlexStat simplifies networked zone control for common HVAC equipment—such as packaged rooftop units, air handlers, fan coil units, and heat pumps—which can be controlled via the on-board libraries of programs built into the FlexStat. The on-board library of programs permits rapid configuration of a wide range of HVAC control applications via the FlexStat's easy-to-use display and buttons. Plus, these programs can be edited or replaced (using BACstage™ or TotalControl™) with custom programming to meet specific requirements of a particular project.

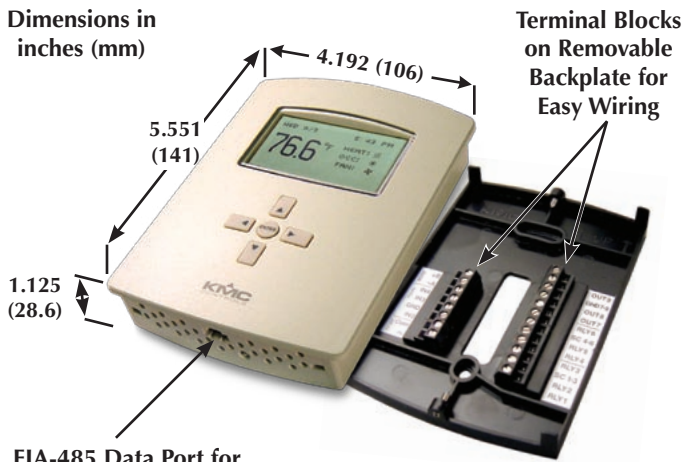
With its built-in library of applications, **just one FlexStat model can replace multiple competitor models.** With a single BAC-10163CW, for example, all these application options can be selected from the menus:

- Air handling unit, with proportional heating and cooling valves, and with optional economizer, dehumidification, and/or fan status
- Fan coil unit, 2-pipe or 4-pipe, proportional or 2-position valves, with optional dehumidification (with 4-pipe option) and/or fan status
- Heat pump unit, with up to two compressor stages, and with optional auxiliary heat, emergency heat, dehumidification, and/or fan status
- Roof top unit, with up to two H/C stages, and with optional economizer, dehumidification, and/or fan status

A one-size FlexStat “fits all.”



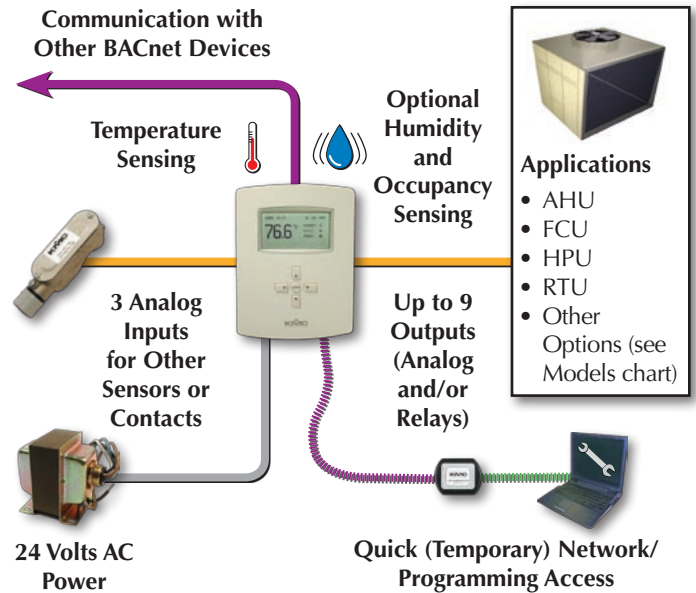
Dimensions in inches (mm)



EIA-485 Data Port for Quick Network Access

#### FlexStat features include:

- User-friendly, high-contrast, backlit, dot-matrix LCD display with five buttons for menu-driven configuration and operation
- Temperature sensing (standard) and optional humidity and/or occupancy sensing (occupancy sensor has effective range of up to 33 feet)
- Up to a total of nine relays (binary) and/or analog outputs
- Three analog inputs for additional remote external sensors, such as outside air temperature, mixed air temperature, water supply temperature, fan status, and other sensors
- Six On/Off and independent heating and cooling setpoint periods per day
- Schedules can be set uniquely for each day, 5-1-1, 5-2 daily schedules, plus holidays
- Built-in alarms and trend logs
- Selectable constant or intermittent/auto fan operation in either occupied or unoccupied modes
- Built-in, factory-tested library of configurable application control sequences
- Integral energy management control with energy deadband heating and cooling setpoints and other advanced features
- Three levels of password-protected access (user/operator/administrator) prevents disruption of operation and configuration
- Real-time clock and 72-hour power (capacitor) backup for network time synchronization or full stand-alone operation
- Integral peer-to-peer BACnet MS/TP LAN network communications with configurable baud rate



FlexStats come with a printed Installation Guide in the box. A library of additional documentation for operation, configuration, programming, application, and much more information is available on the award-winning KMC Controls web site ([www.kmcccontrols.com](http://www.kmcccontrols.com)). The web site will also contain future updates to firmware (that can upgrade installed FlexStats by using the KMD-5699 firmware flash upgrade kit).



All this gives you automation power and support you would expect to find in much larger building automation systems—but in a low-cost, high-value, compact device you can hang on the wall. Hang it on yours.

building your comfort zone®

# Because everyone needs a little control

Models*	Outputs**	Optional Sensors**	Typical Applications
BAC-10030CW	3 Relays (Binary Outputs)  (All models have 3 analog inputs)	None	<ul style="list-style-type: none"> <li>• 1H/1C packaged and split systems</li> <li>• 1H/1C heat pumps (no aux. heat)</li> <li>• Terminal reheat (staged)</li> <li>• 2-pipe FCUs with 1-speed fan, 2-position valve, fresh air control</li> <li>• 4-pipe FCUs with 1-speed fan, 2-position Heat and Cool valves</li> <li>• Unit heaters</li> <li>• Other single-stage thermostat applications</li> </ul>
BAC-10130CW		Humidity	<ul style="list-style-type: none"> <li>• Same as BAC-10030CW</li> <li>• View room humidity</li> </ul>
BAC-11030CW		Occupancy	<ul style="list-style-type: none"> <li>• Same as BAC-10030CW</li> <li>• Occupancy-based operation</li> </ul>
BAC-11130CW		Humidity and Occupancy	<ul style="list-style-type: none"> <li>• Same as BAC-10030CW</li> <li>• Occupancy-based operation</li> <li>• View room humidity</li> </ul>
BAC-10036CW	3 Relays and 6 Analog Outputs	None	<ul style="list-style-type: none"> <li>• 1H/1C, fan, and 6 universal outputs</li> <li>• 3-speed fan, 2- or 4-pipe FCUs with modulating valves</li> <li>• Central station AHUs with modulating Heat/Cool</li> <li>• Single-stage applications</li> <li>• Variable-speed fan output</li> </ul>
BAC-10136CW		Humidity	<ul style="list-style-type: none"> <li>• Same as BAC-10036CW</li> <li>• Dehumidification sequence</li> <li>• Humidification sequence</li> </ul>
BAC-11036CW		Occupancy	<ul style="list-style-type: none"> <li>• Same as BAC-10036CW</li> <li>• Occupancy-based operation</li> </ul>
BAC-11136CW		Humidity and Occupancy	<ul style="list-style-type: none"> <li>• Same as BAC-10136CW</li> <li>• Occupancy-based operation</li> </ul>
BAC-10063CW	6 Relays and 3 Analog Outputs	None	<ul style="list-style-type: none"> <li>• 2H/2C, fan</li> <li>• Multi-stage packaged or split systems</li> <li>• Multi-stage heat pumps with or without factory-packaged economizers</li> <li>• Central station AHUs with modulating Heat/Cool</li> <li>• 3-speed fan, 2- or 4-pipe FCUs with modulating or 2-position valves</li> </ul>
BAC-10163CW		Humidity	<ul style="list-style-type: none"> <li>• Same as BAC-10063CW</li> <li>• Humidification sequence</li> <li>• Dehumidification sequence</li> </ul>
BAC-11063CW		Occupancy	<ul style="list-style-type: none"> <li>• Same as BAC-10063CW</li> <li>• Occupancy-based operation</li> </ul>
BAC-11163CW		Humidity and Occupancy	<ul style="list-style-type: none"> <li>• Same as BAC-10163CW</li> <li>• Occupancy-based operation</li> </ul>
BAC-10090CW	9 Relays	None	<ul style="list-style-type: none"> <li>• 1H/1C, fan, and 6 binary outputs</li> <li>• 2H/2C, fan, and 4 binary outputs</li> <li>• 3H/3C, fan, and 2 binary outputs</li> <li>• 3H/3C plus ERV, reheat, or 3-speed fan</li> </ul>
BAC-10190CW		Humidity	<ul style="list-style-type: none"> <li>• Same as BAC-10090CW</li> <li>• Dehumidification sequence</li> <li>• Humidification sequence</li> </ul>
BAC-11090CW		Occupancy	<ul style="list-style-type: none"> <li>• Same as BAC-10090CW</li> <li>• Occupancy-based operation</li> </ul>
BAC-11190CW		Humidity and Occupancy	<ul style="list-style-type: none"> <li>• Same as BAC-10190CW</li> <li>• Occupancy-based operation</li> </ul>

\*The standard color is white. The optional light almond color has no "W" at the end of the model number (e.g., BAC-11163C).

\*\*All models have a temperature sensor and 3 analog inputs.

For more information, see the data sheet and other documents on the KMC Controls web site. Certain features subject to change or pending release.