BAC-190000 Series FlexStats

Touchscreen Room Sensors/Controllers

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What is a FlexStat?

KMC Conquest™ BAC-190000 series FlexStats provide flexible, set-and-forget control over the indoor environmental quality (temperature, humidity, and ventilation) in spaces without the expense of a large building automation system while saving energy with advanced energy management control.

FlexStats are wall-mounted, touchscreen, combined sensors and controllers designed for HVAC and building automation systems. The intelligent integral temperature/humidity/motion/CO_2-sensing, wall-mounted, FlexStats can be controlled via the on-board or custom libraries of programs.

The integrated schedules, alarms, and trends also enable these native BACnet Advanced Application Controllers (B-AAC) to be powerful edge devices for the modern smart building ecosystem.



KMC Conquest Automation Hardware

Flexible Features

Easy to configure and easy to use, the FlexStat has many features, including the following:

- Customizable **touchscreen** operator interface.
- 24 total **rotation value displays** (e.g., humidity, CO2, OAT, and DAT) in 3 areas with 8 current values each.
- **Two-piece design** allows field rough-in and termination of field wiring to the backplates without needing the FlexStats at the site.
- Up to four **internal sensors** in a single package with standard temperature and optional humidity, motion, and CO_2 sensors.
- Besides the internal sensors, input terminals for **six external inputs** are provided.
- **Nine outputs** provide a combination of relays and universal (analog) outputs.
- Network communication options include **BACnet** MS/TP, Ethernet, or IP (Normal or Foreign Device).
- Multiple built-in **alarms and trend logs** enhance system monitoring.
- Integral **energy management control options** include dual heating and cooling setpoints, schedules, standby, economizer, DCV, and other advanced features.
- Selectable **constant or auto fan** operation in either occupied or unoccupied modes.
- **Real-time clock** and 72-hour **power (capacitor) backup** for network time synchronization or full stand-alone operation.
- An **on-board library of programs** permits FlexStats to be **rapidly configured from the touchscreen** for a range of control applications (without software).
- For demanding custom requirements, FlexStats are **fully programmable**. **KMC Connect** or **TotalControl** can adapt the standard library to the unique application-specific requirements of a particular project or create completely new custom applications.
- TotalControl software can also create **custom graphical** web pages (hosted on a remote web server) to use as a custom remote user-interface for the controllers.
- The IoT platform **KMC Commander** provides remote monitoring and control with quickly creatable **dashboard thermostat and trend "cards"** on a PC or mobile device as as well as **remote alarms and dedicated trend graph** pages.

For full specifications, see the **BAC-190000 Series FlexStats** data sheet. Additional resources are available at **kmccontrols.com**. Log in to see all available files.

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