



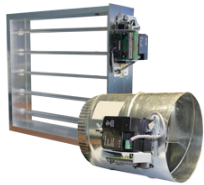
MODULATING ZONE CONTROL

The SC-Z20 is a modulating zone control system that allows a single HVAC unit to have up to 20 individual zones. Each zone is controlled by its own space thermostat and a modulating zone damper or diffuser. The SC-Z20 works with single-stage, multi-stage and heat pump systems and has an auxiliary heat control option for each zone. The SC-Z20 is an affordable alternative to higher cost VAV systems. Additionally, there is no programming required. Communicating thermostats with Web interface are available.



VAV DIFFUSERS

The SC-VD diffuser is used to vary the supply air volume and is controlled from a wall-mounted thermostat. This diffuser is designed to maintain the coanda effect (draft free) of the discharge air along the ceiling, providing a sustained discharge velocity throughout the volume range. Operating the diffuser from an individual wall-mounted thermostat enables the user to choose their desired comfort level. The wall-mounted thermostat gives closer temperature control and eliminates the need for a step ladder to adjust the setpoint. Stand-Alone or with zone panel, the SD-VD features a 24VAC, 2VA floating-point actuator (40 lb-in). It is available in 12" x 12" or 24" x 24" models with five neck sizes. Optional surface mounting kit, relief collar and baffle kit are available.



MODULATING DAMPERS

The SC-ZD dampers are heavy-duty modulating dampers used with the SC-Z20 zoning system. These 3-wire dampers provide application flexibility and allow for minimum position adjustment. These dampers feature a 24 VAC, 2VA floating-point actuator (40 lb-in). When paired with an SC-Z20-T, the SC-ZD dampers can also be used as stand-alone dampers to control over-heating and over-cooling problems. The SC-ZD dampers are available in round and rectangular. Auxiliary dampers are available.



ELECTRONIC BYPASS DAMPERS

SC-EB electronic bypass dampers are used to automatically bypass excess air when an increase in duct static pressure occurs due to closing of zone dampers. The SC-EB dampers utilize a 24VAC, 2VA floating-point actuator (40 lb-in) along with the SC-SPC static pressure control. The SC-SPC has a fully calibrated setpoint dial for easy setup and adjustment. The SC-SPC maintains the system static pressure by modulating the bypass damper. SC-EB electronic bypass dampers are recommended for systems from 0.08" WC up to 1.20" WC static pressure. They are available in round and rectangular.



ZONE ONE STAND ALONE DAMPER

The Zone One is a stand-alone control damper assembly designed to solve over-heating and over-cooling problems. It can be used to control a single room, or by using multiple dampers to zone multiple rooms. It is available in modulating and two-position.



STATIC PRESSURE CONTROLLERS

The SC-SPC is a static pressure controller with a solid-state switching and timing circuit that enhances operation and improves reliability. The unit has a fully-calibrated setpoint dial for easy setup and adjustment. The SC-SPC is used with bypass dampers having floating-point actuators. As individual zone dampers open and close, the SC-SPC maintains the system static pressure by modulating the bypass damper.



LEAD/LAG CONTROLLERS AND TWINNING KITS

The SC-LLC is a versatile, 24VAC powered lead/lag controller designed to balance the operating run time between two redundant devices. When used with HVAC equipment, the controller also can bring on both units with a multi-stage thermostat. This microprocessor-controlled panel can be used in most equipment applications. Available on snap track, with metal enclosure (pictured) or weatherproof enclosure. The SC-TK panel is designed to allow a single thermostat to control two separate HVAC units. This twinning kit can also be expanded to control a total of four HVAC units. The SC-TK can be used on common or separated ducted systems with single-stage, multi-stage and heat pump equipment.



UNIVERSAL THERMOSTATS

The SC-T32-P universal thermostat is a perfect mix of aesthetics, intuitive operation and performance at an amazingly affordable price. The SC-T32-P is compatible with most commercial HVAC systems. Version 2.20 is available with integrated Modbus communications. Optional wallplates, indoor and outdoor sensors are available. The SC-T32-TS is a universal, low-cost touchscreen thermostat. The SC-T32-TS can be battery powered or hardwired which makes it ideally suited for use in light commercial applications. Optional wallplates, indoor and outdoor sensors are available.



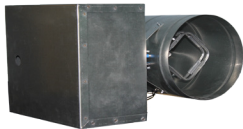
BACNET® THERMOSTATS

These thermostats offer a unique, cost-effective combination of networking, application and sensor options along with intuitive installation, configuration and operation. Preloaded with factory-programmed application sequences, there are models available for fan coil units (FCU), roof top units (RTU) and heat pump units (HPU). Through the contextual menu-driven color LCD display, an operator can change setpoints, configure available options and commission the installation. As a BACnet application specific controller, no external communications modules are required. Some models have dry bulb economizer control.



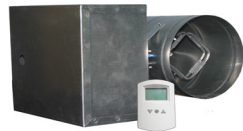
SPECIFIED VAV

The SC-VAV series of controllers are an easy and unique approach to operating a wide variety of VAV terminal units. The integrated actuators, internal airflow sensors and wide variety of application programs make these BACnet Application Specific controllers ideal for either new or retrofit installations.



RETROFIT AIR TERMINALS

The SC-RAT series of round terminal air units are an easy retrofit approach to convert existing constant volume systems or old system powered mechanical regulator terminals to energy efficient variable air volume operation. The SC-RAT is available in 6 sizes to handle 80 CFM - 4,200 CFM. Optional factory calibrated job-specific controls are available.



PRESSURE INDEPENDENT ZONE ONE SYSTEM

The SC-PIZ is a round terminal air unit retrofit option for over-heating and over-cooling problems in specific areas or zones. The SC-PIZ is available in 6 sizes to handle 80 CFM - 4,200 CFM. The SC-PIZ is equipped with the SC-VAV controller. This system can also be integrated into any BACnet BAS.



OUTSIDE AIR DAMPER

The SC-OAD-XX is a damper specifically designed for outdoor air requirements. This damper has a 1/2" shaft utilizing brass bushings and is gasketed for a tight seal. Models are available with either a 24V motor or 120V motor.