



TAC Xenta™ 102-AX

TAC Xenta™ 102-AX is a highly versatile and efficient VAV (variable air volume) zone controller that can operate as a stand-alone unit or as part of a system. It keeps a constant, comfortable temperature and controls air quality by means of a CO₂ sensor. And it belongs to the TAC Xenta 100 series of open-architecture zone controllers that enable easy, flexible integration with different systems within a building, e.g. lighting and security.

- Control, sensor and actuator in one single device
- Pre-configured applications that save programming time
- Built-in CO₂ sensor provides premium air quality
- LonMark-approved for open and integrated communication with third-party products

ALL IN ONE

TAC Xenta 102-AX is a VAV solution that assures indoor comfort while reducing your material and labor costs by bringing control, sensor and actuator functions together in a single device. This compact controller features pre-engineered VAV sequences, a high-performance airflow transducer, and a reliable motor-driven actuator with a LonMark® profile for open communication on a LonWorks® network.

This level of integration offers numerous advantages. Installation is simplified. It saves space. All elements are optimized to work smoothly and efficiently together. And you can be sure that the electronic, electrical, and mechanical subsystems all live up to TAC's exacting quality and performance standards.

INTELLIGENCE ONBOARD

All network variables and VAV control sequences are preconfigured at the factory, so no application programming is necessary in the field. The easy-to-use airflow calibration procedures simplify commissioning. "Fuzzy logic" control algorithms replace conventional PID to achieve higher performance levels. The result is one very smart, adaptable, compact, easy-to-use device.

OPEN COMMUNICATION

The LonWorks network communication standard meets the growing need for open-protocol, interoperable products in building-system integration, e.g. HVAC, security and lighting systems. TAC Xenta 102-AX is LonMark-approved, a certification process for obtaining third-party assurance of component conformity and interoperability in Open Systems for Building IT®.

RIGHT FROM THE START

Installation and set-up of the TAC Xenta 102-AX could hardly be faster and easier. It's supplied with an advanced, intelligent-software LNS plug-in free of charge. This enables convenient configuration and set-up, which can also be done from a wall module with display, or through a portable commissioning device. The TAC Xenta 102-AX design assures efficient, reliable and economical performance. There is very little maintenance. From day one, you get trouble-free operation with full comfort control in the zone.

FUNCTIONS

- Auxiliary heating with two outputs supporting modulating or two-position modes
- Series or parallel fan
- Pressure-independent and pressure-dependent modes
- After-hours bypass override control
- Local or remote occupancy notification
- Local or remote central plant heat/morning warm-up control
- Local or remote emergency commands
- Indoor air quality override of airflow setpoint
- Operating modes including Auto, Heat, Cool, Morning warm-up, Night purge, Fan only and Off
- Network notification of low airflow condition
- Network notification of high temperature condition
- Network notification of VAV box energy load requirements



Use a TAC wall module to easily configure the TAC Xenta 102-AX

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