



TAC Xenta™ 100

Application Specific Controllers

The TAC Xenta 100 range consists of application-specific controllers that have been designed for zone applications such as Fan Coil, VAV, Chilled Ceiling, Room Control and Roof Top Units.

- Offers individual room or zone control with multiple operating modes and parameters
- Specially designed for direct control of Fan Coil, VAV, Chilled Ceiling, Room Control and Roof Top Units.
- Seamless integration via LonWorks to other building systems and functions
- Can operate alone, networked with other TAC Xenta controllers, or as a part of an open, integrated network.

All controllers can be integrated with other functions at room level, such as lighting, via the LONWORKS® networks — an industrial standard for network communication that enables integration of several different systems within a building. TAC Xenta 100 provides an open, future-proof system architecture. At the same time, it provides access to standardized network technology supporting a flexible control system, to which components from other manufacturers can be connected.

CONFIGURABLE ZONE CONTROLLERS FOR OPTIMIZATION OF RUNNING COSTS AND INDOOR COMFORT

Efficient control of individual zones

The TAC Xenta 100 is a configurable zone controller that can easily be mounted directly on the controlled unit, a wall, or beneath the ceiling - simplifying cable-running and other installation work. It is normally configured in conjunction with installation and/or commissioning.

The controller function depends on the particular application, unit configuration and operating mode. The operating modes that can be employed include comfort, stand-by, and shutdown/off, with the aim of providing optimum comfort and efficient use of energy in the controlled zone.

LONMARK®-certified — for open communication

The TAC Xenta 100 is LONMARK-certified. It can communicate over TP/FT-10 networks, which means that it can therefore communicate both independently and as part of an open system.

Over a LONWORKS system, TAC Xenta 100 can be integrated with other systems, such as the lighting system, for further enhancement and optimization of the environmental conditions and running costs in a zone.

TAC Xenta 100 can be used in three different ways:

- As a stand-alone zone controller
- Together with other TAC Xenta controllers and TAC Vista™ as part of an open integrated control and supervisory system
- As part of an open LONWORKS-based system.



TAC Xenta OP



STR Wall Modules

XENTA 100 OPTIONS

Rapid control via TAC Xenta OP

TAC Xenta OP is a portable operator's panel intended for connection to the TAC Xenta 100, allowing the operator to monitor status and other settings, such as set values, without needing to communicate with a central system. TAC Xenta OP is also used when configuring the controller.

Room units for individual temperature control

A range of STR Wall Modules, providing capability for individual control of room temperatures, complements the TAC Xenta 100. The STR is a series of wall modules optimized for public facilities such as office buildings, hotels, hospitals, schools and shopping malls. Their pleasant appearance and well-designed interface make them suitable for any contemporary building. They are easy to operate and install.

Further features, such as changeover switches, set value adjustment, and fan speed controls are also available, depending on the type of room unit.

GENERAL

- Stand-alone operation
- Communication via LonWorks®

MAIN FEATURES

- Heating and cooling in sequence
- Occupancy sensor
- Window contact
- Low temperature protection
- Air quality control
- Night purge

OPERATING MODES

- Occupied
- Unoccupied
- Stand-by
- Bypass
- Off
- Slave
- Emergency

ROOM UNIT OPTIONS

- Temperature sensor
- Setpoint adjustment
- OP connector
- Mode indicator
- Bypass button
- Fan-speed control

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