



# TAC Xenta™ 300

- Optimized for maximum flexibility in HVAC control with on board inputs and outputs
- Fully programmable using the intuitive TAC Menta programming tool
- Intelligent start time calculation minimizing energy usage
- Designed for use in open systems and integration via LONWORKS

TAC Xenta 300 is a range of LONMARK®-certified programmable controllers intended for control of small and medium-sized heating, ventilation and air-conditioning systems. TAC Xenta 300 is designed for use in open systems and integration via LONWORKS® – an industrial standard for network communications which enables a range of different systems within a property, such as HVAC, lighting and access control, to be integrated on the same network. TAC Xenta 300 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.

## DESIGNED FOR EFFECTIVE CONTROL OF HEATING AND VENTILATION

The TAC Xenta 300 has full HVAC functionality, including control loops, control curves, time control, alarm handling, etc.

The controller consists of an optimum combination of digital and analogue inputs and outputs which are intended specifically for heating and ventilation applications, such as for control of fans and pumps. When required, the TAC Xenta 300 can be expanded with further I/O modules.

## SIMPLICITY OF INSTALLATION

The TAC Xenta 300 is a freely programmable controller that can be fitted in a standard enclosure or a control panel.

Installation is extremely simple. The controller is designed for installation adjacent to the equipment that it controls, which greatly simplifies wiring.

The unique TAC Menta™ graphic programming tool quickly adapts the controller for different types of control and/or supervisory applications.

Engineering is further simplified by the fact that TAC Menta contains a large number of pre-programmed function blocks, together with a comprehensive library of functions.

## DEVELOPED FOR NETWORK COMMUNICATION

The TAC Xenta can be used either independently or as a communicating controller in a larger system. Several controllers can be easily connected to form a network and exchange data. In addition, the TAC Xenta 300 can be connected to TAC Vista™ – a supervision system running under Windows® for controlling and analyzing all aspects of performance, either in individual buildings or a whole area.

### LONMARK-CERTIFIED – FOR OPEN COMMUNICATION

The TAC Xenta 300 is LONMARK-certified. It communicates via a TP/FT-10 network, enabling it to be integrated with other systems such as lighting, sunblinds and access control for overall optimization of environmental conditions and operating costs.

Standard Network Variable Types (SNVT) enable various subsystems to exchange information easily with each other.

### ADVANCED DATALOG AND TIME CONTROL

TAC Xenta 300 has a local datalog which can be retrieved and stored in TAC Vista either on-site or through a dial-up connection. The benefit of local storage is reduced network communication and the possibility to use many parallel logchannels.

Start and stop of the datalog can be event or time controlled. The "smart log" maximizes storage capacity by only logging values that actually have changed.

### RAPID CONTROL VIA TAC XENTA OP

TAC Xenta OP is a portable operator's panel intended for direct connection to the controller or the network. Regardless of where it is connected, it communicates with other units in the network.

A menu system on the unit provides the operator with access to all essential parameters and enables him/her to check system status, change settings, read off measured values, adjust set values etc. All values are displayed with explanatory text and in a logical sequence.

The system manager can also restrict the use of TAC Xenta OP by setting up authorization codes so that changes to the program can be made only by authorized persons.

