



TAC Xenta™ 400

The TAC Xenta 400 controller is a LONMARK® certified programmable unit intended for control of heating, ventilation and air-conditioning systems or as the integration unit in an open control and supervisory system.

The TAC Xenta 400 has been developed for openness and integration via LONWORKS® – an industrial standard for network communication that enables several different systems, such as HVAC, lighting and access control, to be integrated into the same network.

TAC Xenta 400 provides an open, future-proof system architecture. At the same time, it provides access to a 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 WITH REMOTE I/O MODULES

The TAC Xenta 400 is a freely programmable controller, without on board input and output units, that can be installed in standard enclosures or control panels. Each unit is then configured specifically for its particular application by the addition of the required I/O modules, which can be installed either adjacent to the TAC Xenta 400 or decentralized over the network in or on the equipment that is to be controlled. This provides considerable flexibility and simplifies installation, while at the same time greatly reducing the amount of wiring required.

When necessary, the I/O modules can also be fitted with LEDs for status indication and with changeover switches for local control.

SIMPLICITY OF OPERATION

The TAC Xenta 400 has full HVAC functionality, including control loops, control curves, time control, alarm handling, etc. The unique TAC Menta™ graphic programming tool quickly configures the TAC Xenta 400 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 versatile library of functions.

- Powerful platform supporting complex applications
- Fully programmable using the intuitive TAC Menta programming tool
- Expandable I/O provides cost-effective solution
- Smart and powerful data logging maximizing storage capacity
- Extensive memory supporting trending and scheduling
- LONMARK-certified enabling seamless integration with other building systems and functions

DEVELOPED FOR NETWORK COMMUNICATION

The TAC Xenta can be used both independently and as a communication element in a larger system. Several controllers can be easily connected to form a network and exchange data. In addition, the TAC Xenta 400 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 in a whole area.

LONMARK-CERTIFIED – FOR OPEN COMMUNICATION

The TAC Xenta 400 is LONMARK-certified. It communicates via a TP/FT-10 network, enabling it to be integrated with other systems, such as lighting, sunblinds or access control, and also with intelligent field equipment. This provides opportunities for overall optimization of environmental conditions and operating costs.

With its substantial capacity for the exchange of Standard Network Variable Types (SNVT) with other subsystems, the TAC Xenta 400 is suitable for use as an integration unit in an open system, i.e. serving as the intelligent unit in the network for overall system management.

ADVANCED DATALOG AND TIME CONTROL

TAC Xenta 400 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.

