



TAC Xenta OP-U8

OFL-4151-000

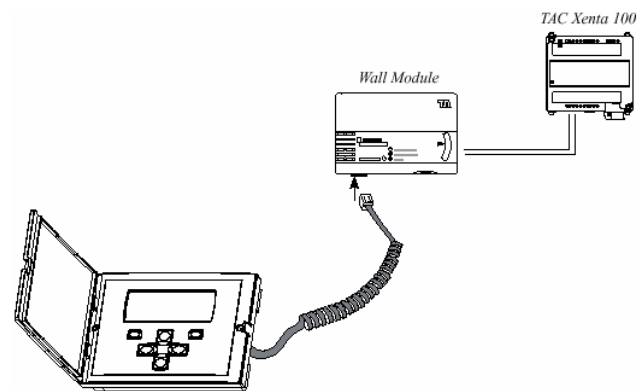
Smoke Control Installation Datasheet



button was pushed. The master contains the dialogue messages and will direct the operator panel what to show on the display. Thus the operator panel will act as a dumb terminal.

Xenta 100 Connection

Normally the Xenta OP is connected to the modular jack on the lower side of the Wall Module wired to the Xenta 100 controller. The Xenta OP will get 24VAC power supply from the TAC Xenta 100 unit (parallel load on the 24VAC supply). The maximum length for cable between OP and controller is 10m.



The Xenta OP-U8 is UL Listed (UL864) for application in a TAC Smoke Control System. This data sheet provides information, instructions and restrictions pertaining to the proper application of this specific product in a smoke control system. This data sheet takes precedence over other general product installation and application information for the Xenta OP and must be used in conjunction with the "Xenta - Smoke Control Systems Manual" (0-004-7897-0). The manual provides a system level view of the smoke control application and provides additional information regarding the various products that can be interconnected to form a system.

General Application

The Xenta OP is a small operator panel designed to be used together with TAC Xenta 100, 200, 300, 401 and 901 units. The Operator Panel gives the user access to equipment status displays, control parameters and alarm information in the local system based upon the controller programming and password privileges defined for the OP display presentation.

The TAC Xenta OP Operator panel has an LCD display with 4 x 20 characters and six push buttons. A modular socket or four screw terminals, located on the rear of the unit, are used for communications and to supply power from the Xenta controller. There is also a potentiometer on the rear to adjust the contrast of the display. The OP provide a back lighted LCD display controlled from the OP Service menu.

The operator panel is controlled from a master (TAC Xenta controller). When you start using the operator panel, it will send a message to the master telling it what

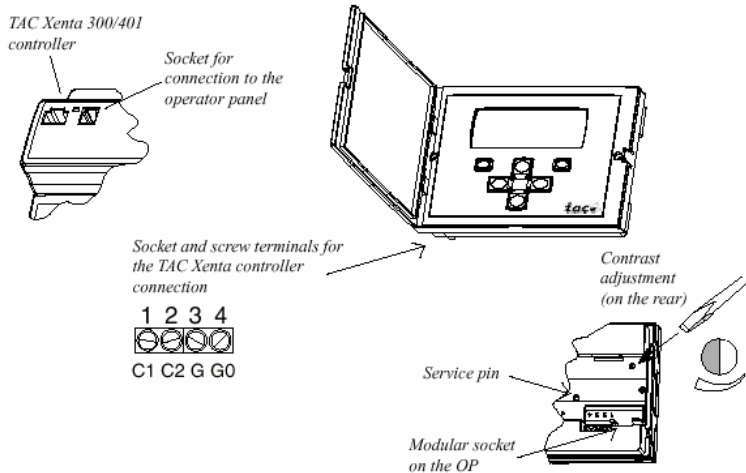
Xenta 200, 300, 401 Connection

When connecting the operator panel there are two alternatives:

- 1) Use the modular socket on the front of the TAC Xenta 200, 300 or 401 controller and the corresponding socket on the back of the operator panel. This requires a special cable.
- 2) Use the screw terminals on the back of the operator panel, labeled 1-4.

<u>OP Term.</u>	<u>Function</u>	<u>Xenta Terminal</u>
1	LON	C1
2	LON	C2
3	24VAC	G
4	Ground	G0

The maximum length for cable between OP and controller is 10m.



Enclosure

The Xenta OP is housed within a plastic enclosure (5.7"W x 3.8"H x 1.3"D). The OP may be mounted (snapped) on the face of the Xenta 200, 300 and 401 controllers and would be installed within the same enclosure as the Xenta controllers. The OP is typically used for temporary hand-held maintenance functions with the Xenta 100 series controllers with the unit plugged into the wall sensor in the controlled space.

Operating Environment

Operating Temperature: 32 to 122°F (0 to 50°C)
 Storage Temperature: -4 to 122°F (-20 to 50°C)
 Humidity: max. 90% RH non-condensing

Power

The Xenta OP controller is powered with 24VAC from the Xenta controller.

Power Input: 24VAC +-10%
 60Hz @ 1.2VA Max

Input and output signals are power limited.

Controller Network Communications

The Xenta OP communicates with the various controllers on each of the two communications ports using a common network, LonWorks TP/FT-10, 78Kbps LON (Local Operating Network). The LON communications is power limited. Maximum individual network segment cable length is 8850ft/2700m (when using bus configuration and specified 16AWG cable) See smoke control system manual for table of cable and distance specifications. The Xenta OP does not participate in the smoke control application and therefore communications with the OP does not require supervision.

LON Network Integrity

In smoke control applications, the LON network communications cable may only interconnect with products that are UL864 listed. The smoke control system manual identifies the other TAC and 3rd party products that may be interconnected in the smoke control system on the LON with the Xenta OP.