The Xenta 901-U8 network interface 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 901 and must be used in conjunction with the "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 TAC Xenta 901 is a serial LonTalk adapter that provides dial-up modem access to the LON network from a Vista host PC. The Xenta 901 connects to an industry standard (AT type) dial modem. The dial connection can be initiated either by the Vista host, or by the Xenta 901 (such as when there is an alarm on the network). This dial interface provides connectivity from the Vista PC Host to communicate with the controls environment for reporting, monitoring and supervision of the control system.
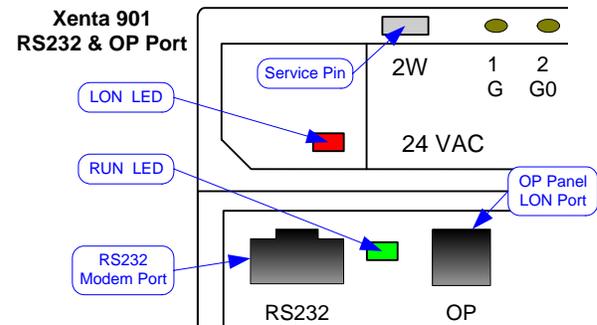
Controller Network Communications

The Xenta 901 LTA communicate directly with the Xenta controllers using a common network, LonWorks TP/FT-10, 78Kbps LON (Local Operating Network). The LON

communications is power limited. Communications supervision from the FSCS is not required. Maximum 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.

RS232 Port

The Xenta 901 interface provides one RS232 port on the face of the unit in the form of a RJ45 8-pin modular jack. This port connects to the RS232 port of an external modem using a RJ45 modular serial cable (such as 073-0916).

The Xenta 901 RS232 ports are not used to transport smoke control command operations and do not require supervision from the FSCS. The equipment (PC or Modem) connecting to the RS232 port should be UL listed and located within the same room.

OP Port

The Xenta 901 provides a port on the face of the unit for optional communications with an OP Panel. The OP provides a 4 line LCD display and membrane keypad and can be custom configured to provide display and adjustment of selected control and process parameters in the controllers on the network. The OP panel can optionally mount on the face of the Xenta 901.

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 901.

Miscellaneous Indicators / Switches

The "Run" LED will normally present a blinking green indication. The LON LED is normally off. And will blink when commanded ("wink") or service pin is pressed.

The "Service Pin" is a push button switch used to enunciate the unit's LON address onto the network when pressed.

Enclosure

The Xenta 901 network interface is housed within a plastic enclosure and must be plugged into an Xenta 400 mounting base (Part # 074-0902-x) ordered separately. To simplify installation, the mounting base can be pre-mounted using mounting holes in the base, or snapped onto standard TS 35mm DIN rail (EN50022) and should be installed within one of the ENCL-.. series enclosures designated in the smoke control system manual.

Operating Environment

Operating Temperature:	32 to122^{o}F (0 to 50°C)
Storage Temperature:	-4 to122^{o}F (-20 to 50°C)
Humidity:	max. 90% RH non-condensing

Power

The Xenta 901 network interface is powered with 24VAC from one of the XFMR…. Series transformers designated in the smoke control system manual.

Power Input: 24VAC +-10%
                                       60Hz @ 2VA Max

Input and output signals are power limited.