



BULLETIN

DIGITAL PRODUCTS

No. DP4

DATE: Oct. 1, 1989

SALES SERVICE

SUBJECT: ALTRONIC EPC-200C AND ETS-24/40 IN CLASS I, GROUP D, DIVISION 1 AREA

In accordance with NFPA 496, a device certified for a Class I, Group D, Division 2 area (such as the Altronic EPC-200C and ETS-24/40) may be modified for use in a Class I, Group D, Division 1 area by purging. Relevant excerpts from NFPA 496 are reproduced below:

1-2 Purpose. This standard is intended to provide information on the methods for purging and pressurizing enclosures to prevent ignition of a flammable atmosphere. Such an atmosphere may be introduced into the enclosure by a surrounding external atmosphere or by an internal source. By these means, electrical equipment that is not otherwise acceptable for a flammable atmosphere may be utilized in accordance with Article 500 of NFPA 70, National Electrical Code.

Purging. The process of supplying an enclosure with clean air or an inert gas at sufficient flow and positive pressure to reduce to an acceptably safe level the concentration of any flammable gas or vapor initially present and to maintain this safe level by positive pressure with or without continuous flow.

Type Y Purging. Reduces the classification within the enclosure from Division 1 to Division 2.

The diagram on the back shows the modification of the Altronic EPC/ETS devices in accordance with Type Y Purging to permit their use in a Class I, Group D, Division 1 area.

NOTE: The User must obtain a copy of the current NFPA 496, Purged and Pressurized Enclosures for Electrical Equipment, and comply fully with its provisions for Type Y Purging. Attention is called in particular to Chapter 2, sections 2-1, 2-2, 2-3 and 2-4.