AutomationDirect Application Note

Product Family: EZTouch   **Number: AN-EZ-012**

Subject: FDA and UL Type 4X / NEMA 4X Compliance   **Date Issued: 08/10/04**

Revision: Original

Why are the EZTouch FDA Approved Touch Panels rated NEMA 1?

This application note explains why the EZTouch Panels are not both FDA compliant and UL Type 4X certified.

- UL File E209355 is the confidential test report for the EZTouch panels. Since the document is confidential, we cannot provide a copy.

- The UL Type 1 and Type 4X models are identical except for the type of plastic used on the bezel. A gasket is required with the UL Type 4X to maintain this rating but is only an option with the UL Type 1 models and must be FDA approved.

- In order to be rated UL Type 4X/NEMA 4X the plastic must be self extinguishable. The additives that make the plastic self extinguishable are not FDA approved. Therefore, a panel using FDA compliant plastics cannot be rated UL Type 4X/NEMA 4X since they will not self extinguish.

- The FDA panels mounted with the FDA compliant bezel gasket did pass the UL hose-down requirements for Type 4/NEMA 4.

- The ratings as stated in the catalog, FDA and NEMA 1, are the official ratings for the EZTouch FDA series. We (Automation Direct or any representative thereof) are not implying these panels exceed the ratings of FDA and UL Type 1/NEMA 1 as approved by Underwriters Laboratories, Inc.