

# Applying Tough SmartMarquee could not be Simpler!

## A New Breed of Marquees from the No.1 recognized name.

Uticor Marquees are known for their high quality, uniformly bright LEDs, connectivity to major PLC networks, and robustness.

You can tell a Uticor Marquee from any other Marquee by looking at it years from the day it was first installed, because where as other marquees will develop a non-uniform display due to LED aging, a Uticor Marquee maintains uniform brightness through out its life.

Because of highly reliable design & manufacturing, Uticor is able to offer 4 years of warranty on its marquee products--an industry first.

Uticor now introduces a new family of Marquees, called Tough SmartMarquee. Tough SmartMarquee product line, while continuing the same high quality lineage, adds new features based on our customer's feedback. In particular, the Tough SmartMarquee adds following features to our popular PMD 3000 series of marquees.

1. A simple to use windows based program with export/import features.
2. Making application of marquees yet easier by adding the ability to display messages without touching PLC program.
3. Flexible data embedding in messages by allowing you to embed any random registers in the messages.
4. Use Internet/Intranet to View and Control messages

## Add a Marquee to a PLC Network without Changing PLC Program

Tough SmartMarquee now allows you to add a display to communicate Machine/Process status and alarms to plant floor without having to make any changes to PLC program (as long as the data is available in PLC).



- **Easiest to Apply**

No Ladder Logic Change

- **Connectivity**

Major PLC Networks

- **Matched LEDs**

Uniformly Bright Displays

- **Quality**

4 Years Warranty

# How Does Tough SmartMarquee do it?

Tough SmartMarquee has 3 types of messages, as shown in the figure below.

Tough SmartMarquee allows you to program a (single) Priority Message along with a condition (such as Bit is set, a register is beyond a value or outside a range, etc). Tough SmartMarquee would continuously monitor the programmed variable, and display this message when the condition is met. No other message is displayed when priority message is displayed, so this is used for only critical messages.

The second types of messages are Machine/Process Status & alarm messages. Like the priority message, user needs to program message display conditions. You can program any number of such messages. If multiple messages need to be displayed, Tough SmartMarquee would cycle through these messages.

The normal messages are programmed along with a message number, and which of the programmed message needs to be displayed is controlled by the PLC. Only for this type of message, you will have to provide logic in the PLC. The Priority and Status/Alarm messages DO NOT NEED to do anything with the PLC program.

