Honeywell

Lab Exercise – Apply Conventions to Class Project

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TotalPlant

Notices and Trademarks

This module supports **TotalPlant** Solution (TPS) system network.

TPS is the evolution of TDC 3000^{X}.

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Lab Exercise

Introduction

A good practice in operator interface design is to provide proper choice of a convention that will enable an operator to be more efficient in their job skills. If the convention is used consistently for all the displays that the operator will use, the training may be reduced since the operator will have "seen" a lot of the conventions on a previous display.

Objectives

At the end of this lab exercise, you will be able to do the following:

- Choose a convention for a display
- Modify an existing display to match your conventions.

Lab Prerequisites

Lab prerequisites are the following:

- GUS Display Builder R110 or later.
- Student folder with required library

Lab Procedure

1. Use the following aid and determine your own color conventions for your display.

Color Usage

ITEMS	Color Choice
Labels (engineering units, descriptors, tagnames)	
Titles, messages, labels with emphasis	
Selected tagnames or items	
Live process values (PV, SP, OP, MODE, etc.) – abnormal indications	
Less critical values, inactive points	
Backgrounds, outlines, replacement for black	
Piping, physical equipment, valves, not "normal" indication	
Shading for above, less critical physical equipment	
Display areas (large text areas)	
Live process values, "normal" indication	
Target boxes	
Alarm indication	
Low priority alarms, acknowledged alarms	
Unacknowledged alarms, alarm indicators (NOT values)	
Backgrounds, lines over solids, interior outlines	
Other…	

2. After completing the above worksheet, open your class project display from your library folder - it is called "Reactor"
   (`c:\student\library\reactor`**)**
   (Note: the above worksheet is only a guide, you are welcome to add or delete any item(s).)

3. Modify your reactor display to match your color convention.

4. Resave the display as ReactXXX where XXX is your partition number. (Save it in your Student Folder).

5. The student may also want to determine conventions in relation to shapes of objects; for example should it be 2D or 3D.
   (Note: the Honeywell shape library is found in the RAC folder)

End of Lab

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