Future Programming Considerations

Standard Engineering Practices

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Future Programming Consideration

Often we forget to allow leeway for future programming. This may be required due to a change in sequence, specification, or a simple addition onto the existing system. In the past, changes and modifications were easy and relatively simple. With today's more complex systems, we need to make room for potential changes in the future today.

MNL-800

The MNL-800 poses special considerations when it comes to future programming. SNVTs can be manually or automatically indexed. This will change the profile of the controller considerably when a programming change is made. If you are using LONMaker, this could mean deleting the device, its functional devices, bindings, and device templates. With an LNC, the Data Strings may need to be revised. All this means considerable time lost to "recreating the wheel" or redoing previous work. The list below adds a minimum level of additional SNVTs that will assist you in programming for the future. Your particular situation may require additional types not listed here. This is a minimum list of commonly used SNVTs that will be added to each MNL-800 controller.

- Add an additional four (4) nci_temp_p SNVTs (nciSatTemp1 thru nciSatTemp4)
- Add an additional four (4) nvi_temp_p SNVTs (nviSatTemp1 thru nviSatTemp4)
- Add an additional four (4) nvo_temp_p SNVTs (nvoSatTemp1 thru SatTemp4)
- Add an additional four (4) nci_lev_percent SNVTs (nciSatPercent1 thru nciSatPercent4)
- Add an additional four (4) nvi_lev_percent SNVTs (nviSatPercent1 thru nviSatPercent4)
- Add an additional four (4) nvo_lev_percent SNVTs (nvoSatPercent1 thru nvoSatPercent4)
- Add an additional two (2) nci_state SNVTs (nciSatSate1 and nciSatState2)
- Add an additional two (2) nvi_state SNVTs (nviSatState1 and nviSatState2)
- Add an additional two (2) nvo_state SNVTs (nvoSatState1 and nvoSatState2)
- Add an additional four (4) nci_count_inc_f SNVTs (nciSatConfig1 thru nciSatConfig4)
- Add an additional four (4) nvi_count_inc_f SNVTs (nviCntIncF1 thruCntIncF4)
- Add an additional four (4) nvo_count_inc_f SNVTs (nvoCntIncF1 thru nvoSatIncF4)

Each SNVT will need to be named.

Due to issues with LONMaker, the length (in characters) for the name for any SNVT needs to be 16 characters or less.

These additional SNVTs can be placed just off the page across the bottom of the drawing. By placing the additional SNVTs off page, only currently used objects are shown on the drawing. This helps to create a "clean" drawing. When an additional SNVT is needed, you just pick from the spares as needed. ***DO NOT RENAME the SNVT or create any new SNVTs after the controller is in permanent use, unless absolutely needed because of the lack of a particular type of SNVT.***

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