

Title: Creating a keypad with displayed limits for data entry



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Information in this article applies to:

EZware-500

HMI Product(s)

HMI500 Series

Controller (PLC) Product(s)

ALL

Summary

This technical note will explain how to create a keypad with an entry buffer display, plus displays for both the minimum and maximum limits of each individual Numeric Input object. The limits are only capable of displaying integer values, since that is the storage format of the local memory used to store the limits.

Solution

There are several solutions for this issue; however, the easiest is to use one of the pre-existing keypads in the group libraries included with EZware. There are several to choose from in the user-library-keypad1 library. After placing the keypad object on your window, it can be ungrouped and each key's properties edited. By doing this, you may choose whatever shapes and colors you like for the buttons and displays.

To create a new keypad from scratch

1. Create a matrix of Function Key objects, with ASCII characters corresponding to the desired numbers or functions.
2. Add a Numeric Data object to display the contents of the entry buffer.
3. Set its device type to LW, and its address to 9076 minus the number of words you wish to display (half the number of characters), then set the desired number of words.
4. Repeat the process for the minimum and maximum limits, setting the device addresses to 9002 (maximum) and 9004 (minimum).

In both cases, set the number of words to 2

More Information

Further information about creating a keypad can be found in the EZware online help, and in Technical Note 0001, *Creating a Popup Keypad*.

Additional query words: entry buffer display, displayed limits

Keywords: popup keypad

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