

Function Block 145 Display FP32 on LCD

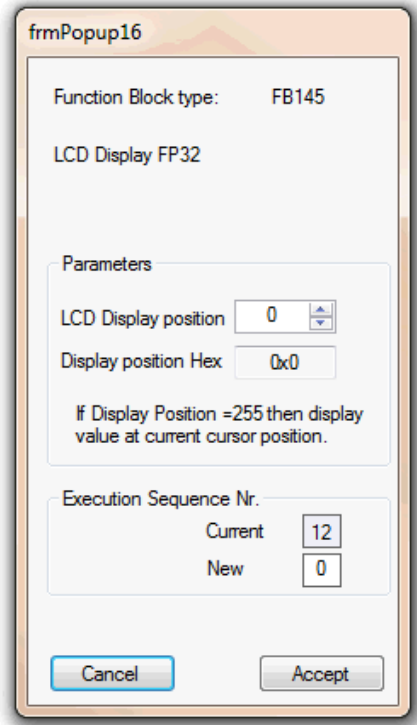
Function Description

Display a FP32 (floating point) value on the LCD device. The value takes up 11 character positions, and the user must select the display position at design time. When the enable input (Ena) is at logic 0 the function block is not executed, meaning that the last displayed value will remain on the display, unless the display position is over-written by another LCD display function block. The enable input can be inverted. Note that because of conversion limitation only values between +99999.99 and -99999.99 can be reliably displayed.



Popup Parameters

- User selectable LCD display position. (The Hex representation of the position is also displayed).
- Execution sequence number.



Input/Output and Parameters

Type	Description	Data Type	Range
Input In	FP32 real value	INT	-99999.9999..+99999.9999
Input Ena	Enable display drive	Boolean	0, 1

Application

Notes

Function block 145 can be executed in Cycle and Time tasks. The LCD unit can be connected to either PORTB or PORTD. The selection is done from the Configuration>Port B or Configuration>Port D tabs. The LCD interface uses the 4-wire interface, details of which is given in the directory DOCUMENTATION>HARDWARE file VPS_P18_LCD_Display.pdf