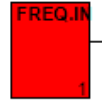

Function Block 26

Frequency Counter Input

Function Description

Reads the frequency of the pulses applied to PortC pin0. In Simulation mode the user can enter a value between 0....32000.

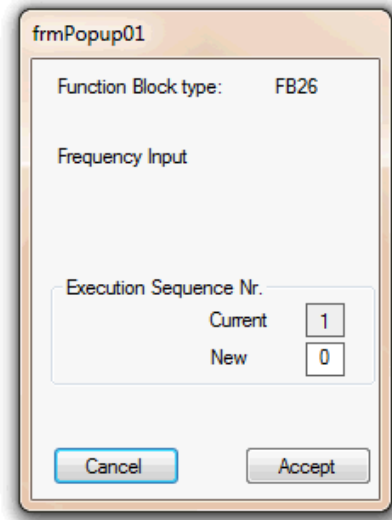


Popup Parameters

Function block execution number.

Algorithm Description

Timer/Counter1 of the PIC is configured as a 16 bit counter and its value is read, and cleared, every 250mSec. FB26 will multiply this value by 4 to supply at its output a frequency value.



Input/Output and Parameters

Type	Description	Data Type	Range
Output 1	Output signal	INT	0....32767

Application

Frequency measurement. For best results use this input for frequencies in the range 1...32 KHz

Notes

User must ensure to select PortC pin0 as frequency input on the Port C tab on the Configuration page of VPS_P18.

Function block 26 can be executed in Cycle or Time tasks.

In Simulation mode the user can enter a value between 0....32000 using the up/down scroll bar that will appear on the function block.
