

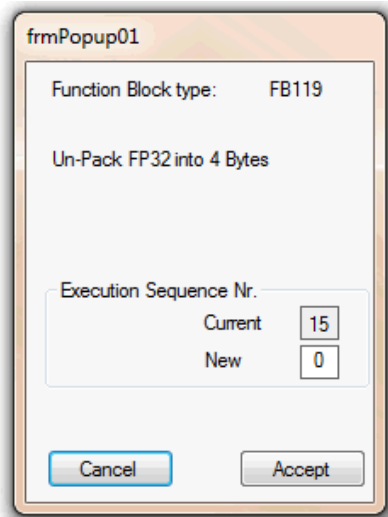
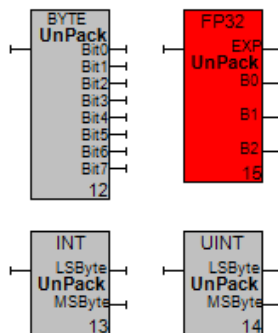
Function Block 116 – 119

Data Un-Packer

Function Description

These 4 function blocks provide for un-packing byte-values into bit-values and INT, UINT, and FP32 data values into byte values.

- FB116 Un-Pack byte into bits.
- FB117 Un-Pack INT into 2 bytes.
- FB118 Un-Pack UINT into 2 bytes.
- FB119 Un-Pack FP32 into 4 bytes.



Popup Parameters

- Execution sequence number.

Input/Output and Parameters

Type	Description	Data Type	Range
Input (FB116)	Byte value	BYTE	0....255
Input (FB117)	INT value	INT	-32768....32767
Input (FB118)	UINT value	UINT	0....65535
Input (FB119)	FP32 value	FP32	FP32
Output 1(FB116)	Bit0	BIT	0,1
Output 2(FB116)	Bit0	BIT	0,1
Output 3(FB116)	Bit0	BIT	0,1
Output 4(FB116)	Bit0	BIT	0,1
Output 5(FB116)	Bit0	BIT	0,1
Output 6(FB116)	Bit0	BIT	0,1
Output 7(FB116)	Bit0	BIT	0,1
Output 8(FB116)	Bit0	BIT	0,1
Output 1(FB117)	LSByte	BYTE	0....255
Output 2(FB117)	MSByte	BYTE	0....255
Output 1(FB118)	LSByte	BYTE	0....255
Output 2(FB118)	MSByte	BYTE	0....255
Output 1(FB119)	Exponent	BYTE	0....255
Output 2(FB119)	Mantissa B0	BYTE	0....255
Output 3(FB119)	Mantissa B1	BYTE	0....255
Output 4(FB119)	Mantissa B2	BYTE	0....255

Application

Notes:

Function blocks 116, 117, 118, and 119 can be executed in Cycle and Time tasks.