

Function Block 25

Analog Input

Function Description

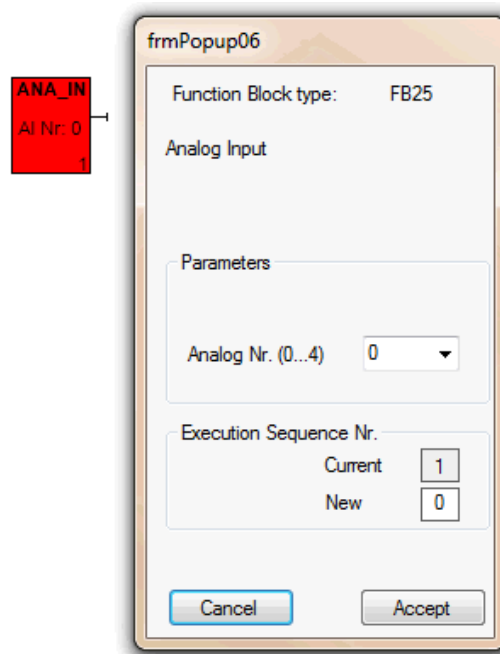
Input a value from an A-to-D pin. In simulation mode the user can input a value from 0...1023.

Popup Parameters

- Any one of 5 Analog inputs can be selected. The following is the mapping Analog Nr to PIC Port pin:
 - Analog Nr.0 PORTA, Pin0
 - Analog Nr.1 PORTA, Pin1
 - Analog Nr.2 PORTA, Pin2
 - Analog Nr.3 PORTA, Pin3
 - Analog Nr.4 PORTA, Pin4
- Execution Sequence Nr.

Algorithm Description

Convert the voltage (0...5V) of the selected A-to-D channel into an Integer value (0....1023)

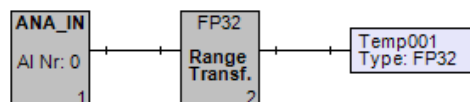


Input/Output and Parameters

Type	Description	Data Type	Range
Output 1	Output signal	INT	0....1023

Application

The following example illustrates how to scale the output value from FB25 into the associated engineering unit quantity.



Notes

User must ensure to select the port pin as Analog Input Channels in the PortA setup tab in VPS_P18.

The function block can be executed in Cycle or Time tasks.

In Simulation mode the user can enter a value between 0....1023 using the up/down scroll bar that will appear on the function block.
