

AXC F 2152 STARTERKIT – EXAMPLE PROJECT

Brief description of the “AXC F 2152 Starterkit.pcweax” example project for the AXC F 2152 STARTERKIT

Application note
108428_en_00

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1 Description

In the example project, the digital outputs of the AXL F DI8/1 DO8/1 1H I/O module are connected one after the other to create a running light (clock frequency = 500 ms).

The clock frequency of the running light can be changed by switching toggle switches 0 ... 2 on the switch module:

- Toggle switch 0 switched on: clock frequency = 350 ms
- Toggle switches 0 and 1 switched on: clock frequency = 100 ms
- Toggle switches 0 and 1 and 2 switched on: clock frequency = 50 ms

The potentiometer can be used to change the voltage at the analog input of the AXL F AI2 AO2 1H I/O module.

2 Connection of the inputs of the starter kit

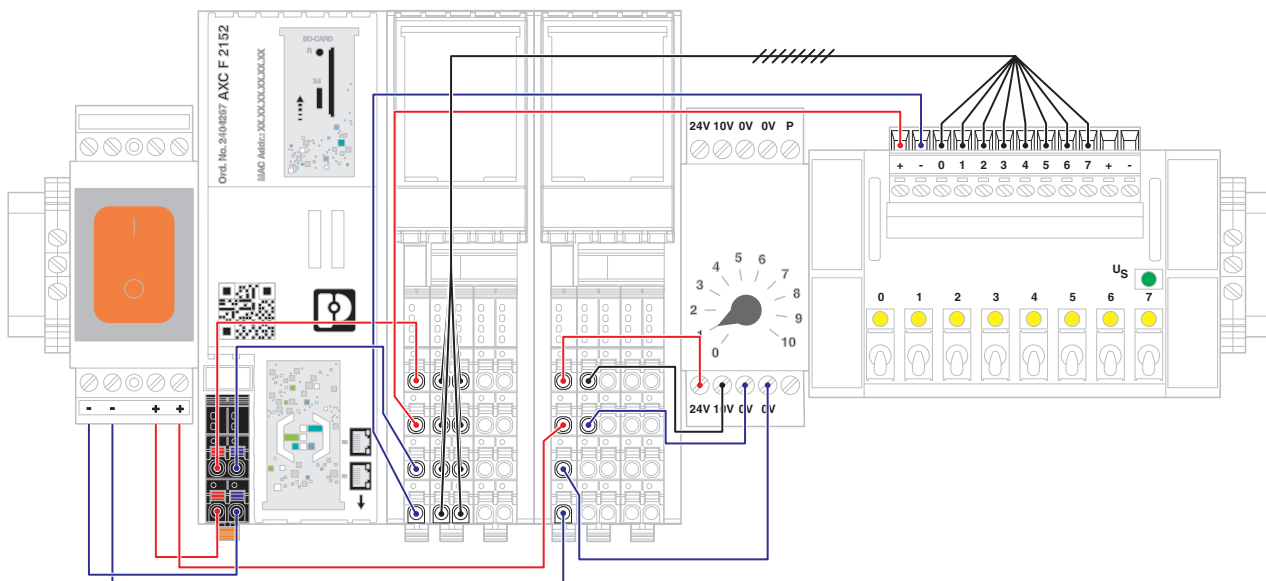


Figure 1 AXC F 2152 STARTERKIT: connection of the inputs

The following inputs are connected on the AXC F 2152 STARTERKIT:

I/O module	Input	Signal at	Variable in PC Worx Engineer
AXL F DI8/1 DO8/1 1H	Digital input 1	Terminal point 00	axc2152-1 / PLC.DI_Bit0
	Digital input 2	Terminal point 01	axc2152-1 / PLC.DI_Bit1
	Digital input 3	Terminal point 10	axc2152-1 / PLC.DI_Bit2
	Digital input 4	Terminal point 11	axc2152-1 / PLC.DI_Bit3
	Digital input 5	Terminal point 20	axc2152-1 / PLC.DI_Bit4
	Digital input 6	Terminal point 21	axc2152-1 / PLC.DI_Bit5
	Digital input 7	Terminal point 30	axc2152-1 / PLC.DI_Bit6
	Digital input 8	Terminal point 31	axc2152-1 / PLC.DI_Bit7
AXL F AI2 AO2 1H	Analog input: positive voltage connection for channel 1	Terminal point 00	axc2152-1 / PLC.Analog_IN
	Analog input: negative voltage connection for channel 1	Terminal point 10	

3 PC Worx Engineer HMI application

The example project includes a PC Worx Engineer HMI application that can be used to display the states of the LEDs and the voltage at the analog input in the web browser.

- Open the web browser on your PC.
- In the address field, enter the URL “http://IP address of the controller” (default IP address: 192.168.1.10).

The “AXC F 2152/main page” page opens.

The states of the LEDs are displayed on the “AXC F 2152/main page” page.

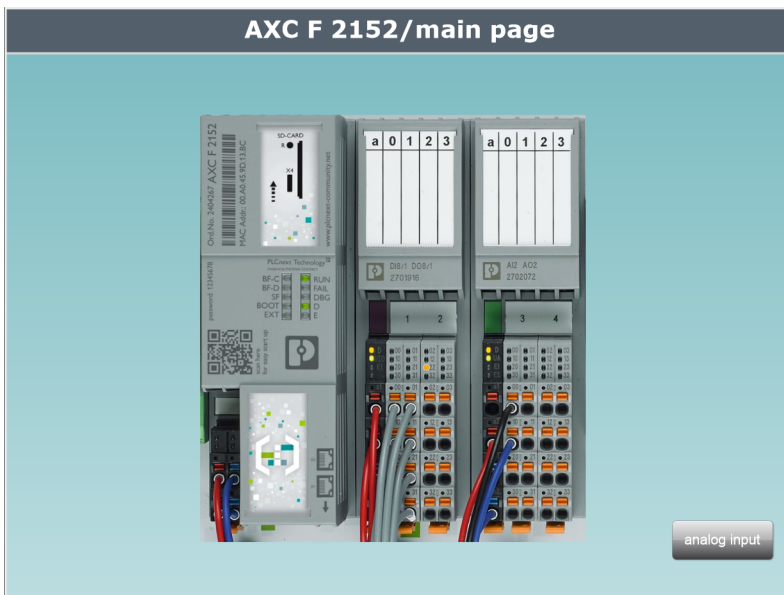


Figure 2 “AXC F 2152/main page” page

The voltage at the analog input is displayed on the “AXC F 2152/analog input” page.

- On the “AXC F 2152/main page” page, click on the “analog input” button to open the “AXC F 2152/analog input” page.

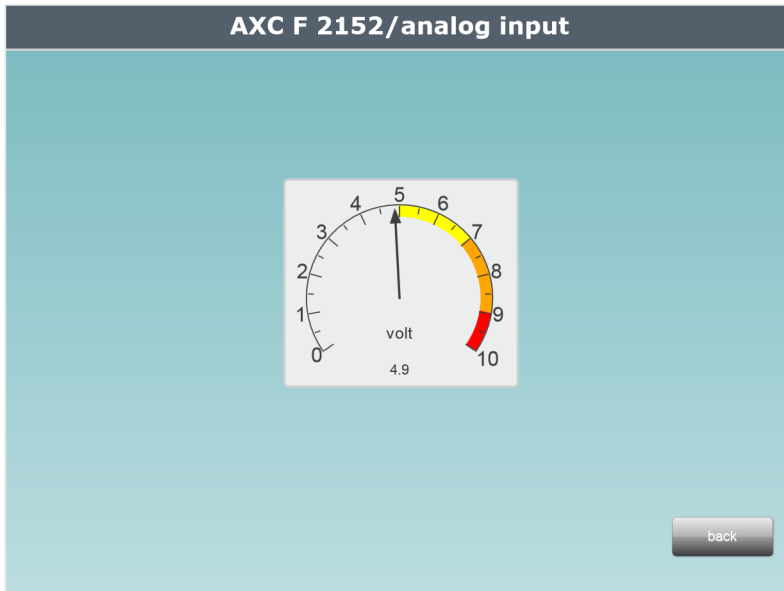


Figure 3 “AXC F 2152/analog input” page