



Current Sensor 2 Go

– Quick Instruction Guide

Scope:

The following instruction gives a quick overview about the Current Sensor 2 Go GUI. The GUI can also be used for the PGISISI-2 based TLI4970050 PROG-KIT.

SW Installation:

Start the *Infineon-V2.0 GUI for Current Sensor 2GO-FW-V2.0-EN* Windows Installer Package (make sure you have at least local admin rights).

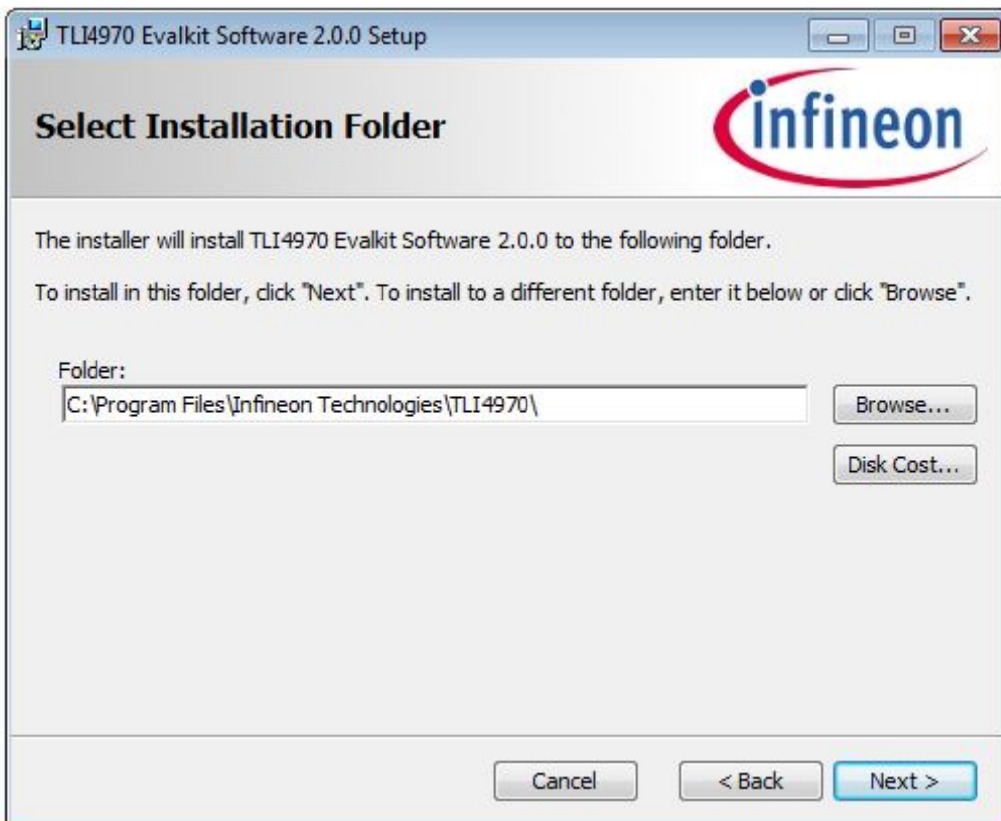




To start the installation process, you have to accept the license agreement:

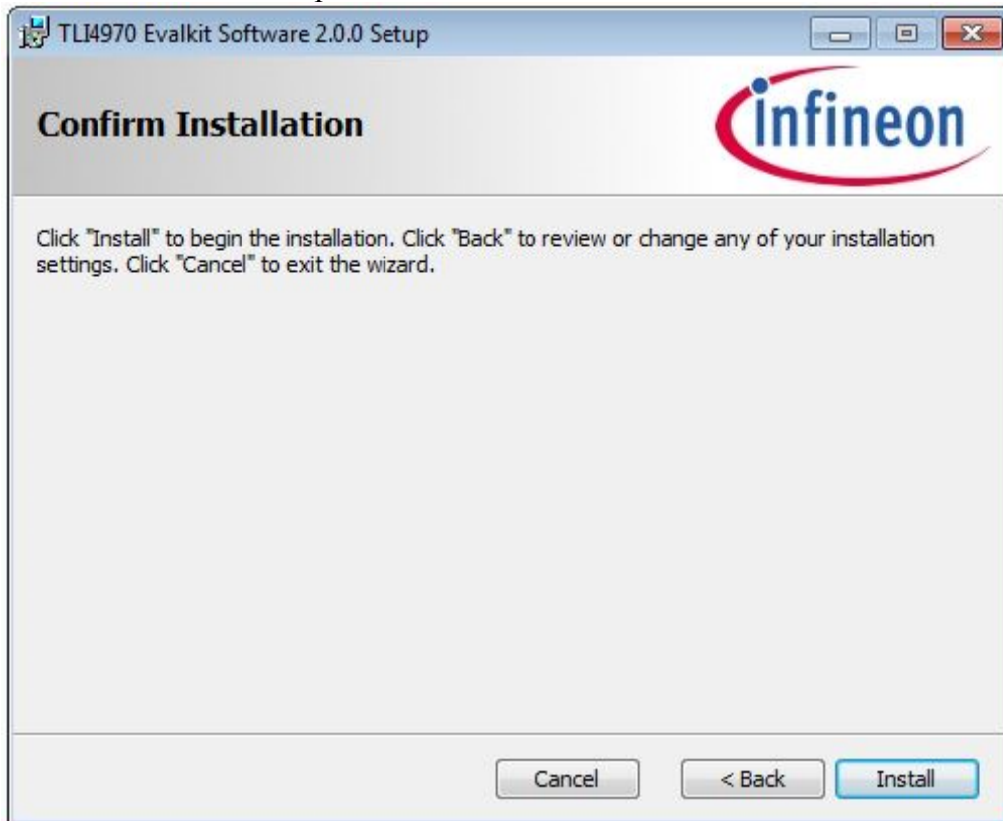


The installation folder dialog is used to allow the user to choose the folder where application files will be installed:

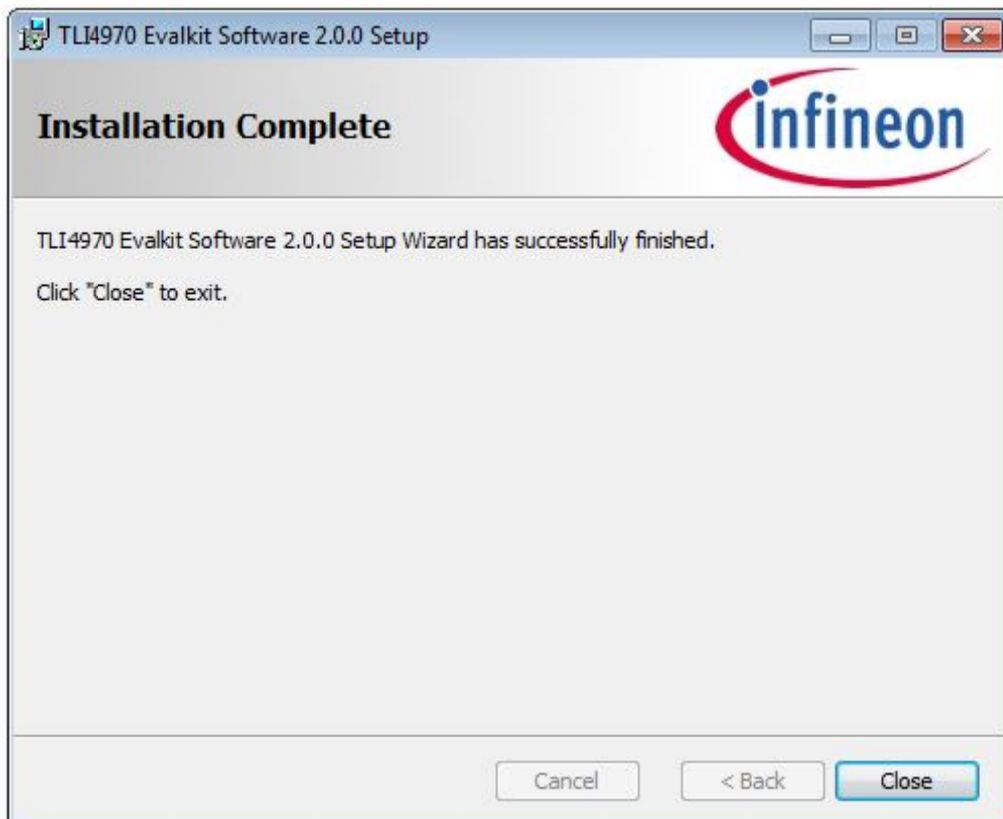




Confirm the installation process:



Following dialog box will be shown after successfully installation of the Current Sensor 2 Go GUI:

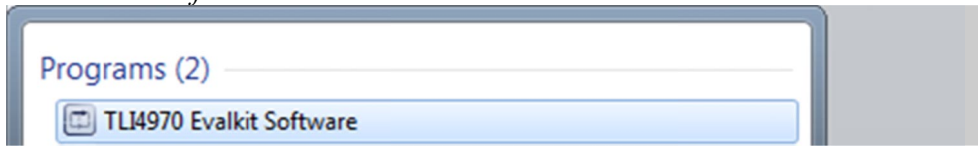


In case the SEGGER / J-Link software package has not been installed before, please follow the SEGGER installer:

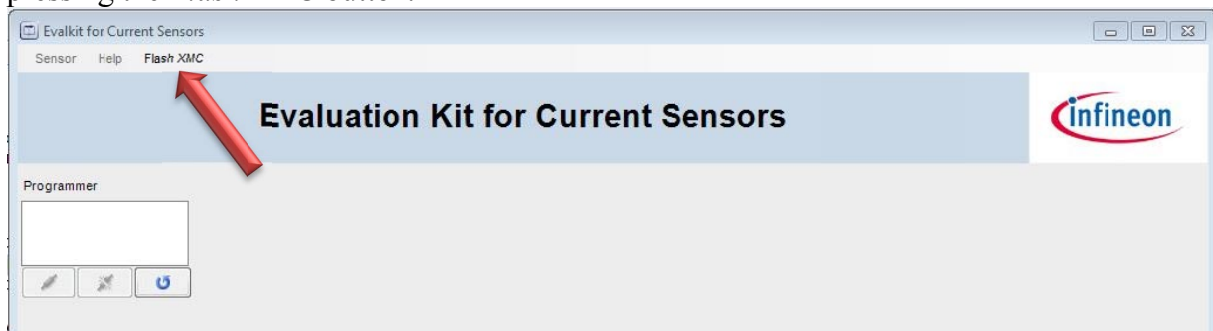


Use of the Current Sensor 2 Go GUI


After successfully installation of the SW, you will find the *TLI4970 Evalkit Software Program* in the *Microsoft Start Menu*.

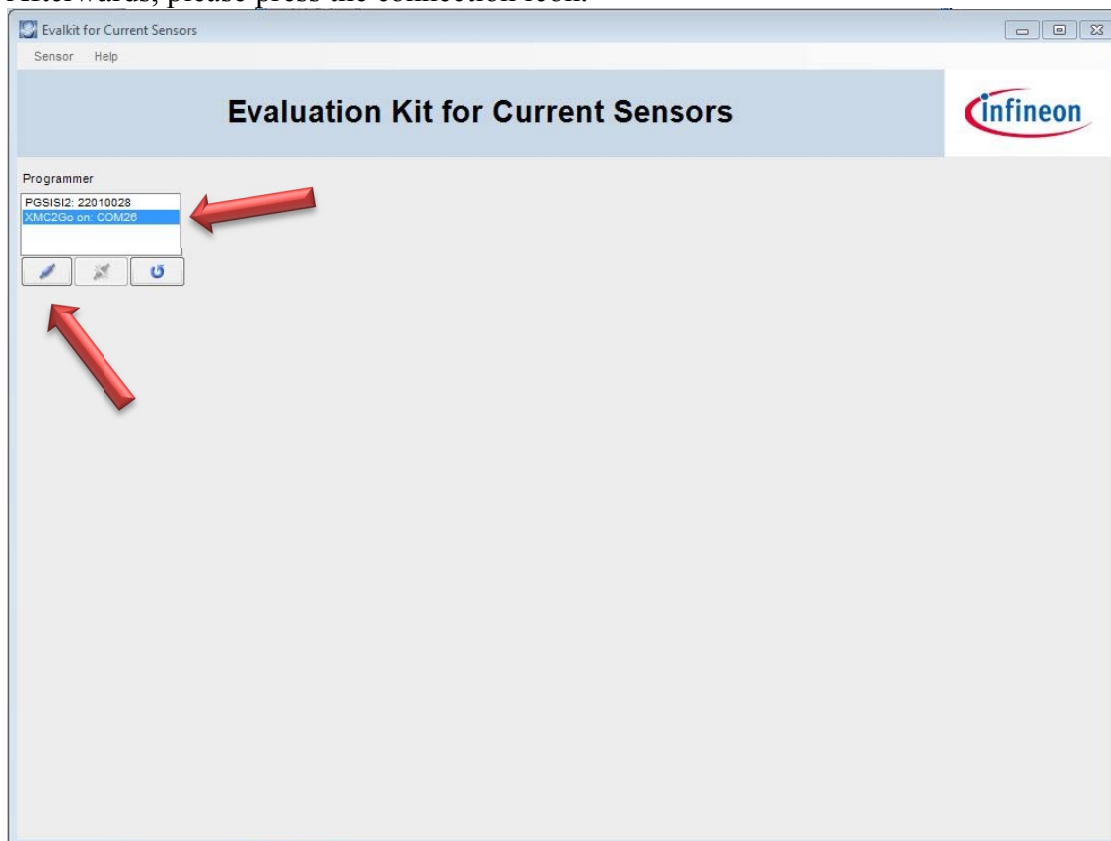


After connecting the Current Sensor 2 Go Kit with your PC (please use a USB connection cable; not included in the kit) and starting the SW, you first might have to flash the μ C by pressing the *Flash XMC* button:



Note: If the correct firmware version is flashed, the Flash XMC button is not visible.

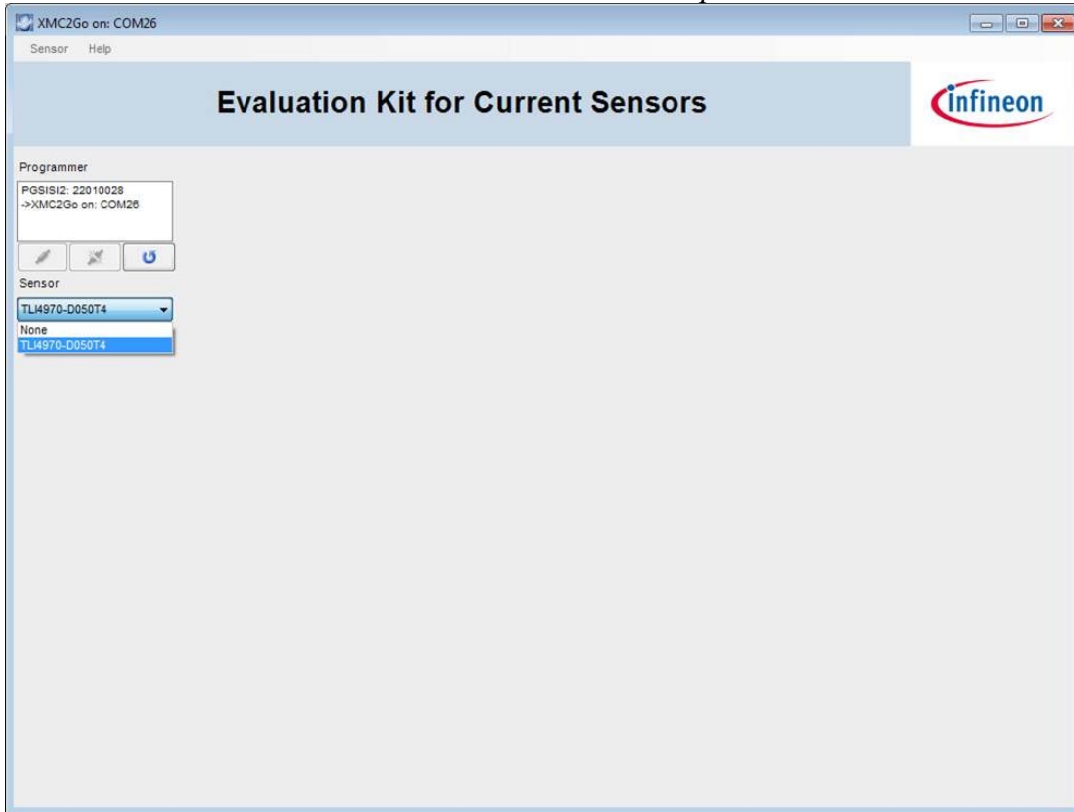
Please select the connected kit (in case no kit is listed, use the refresh button ). Afterwards, please press the connection icon.



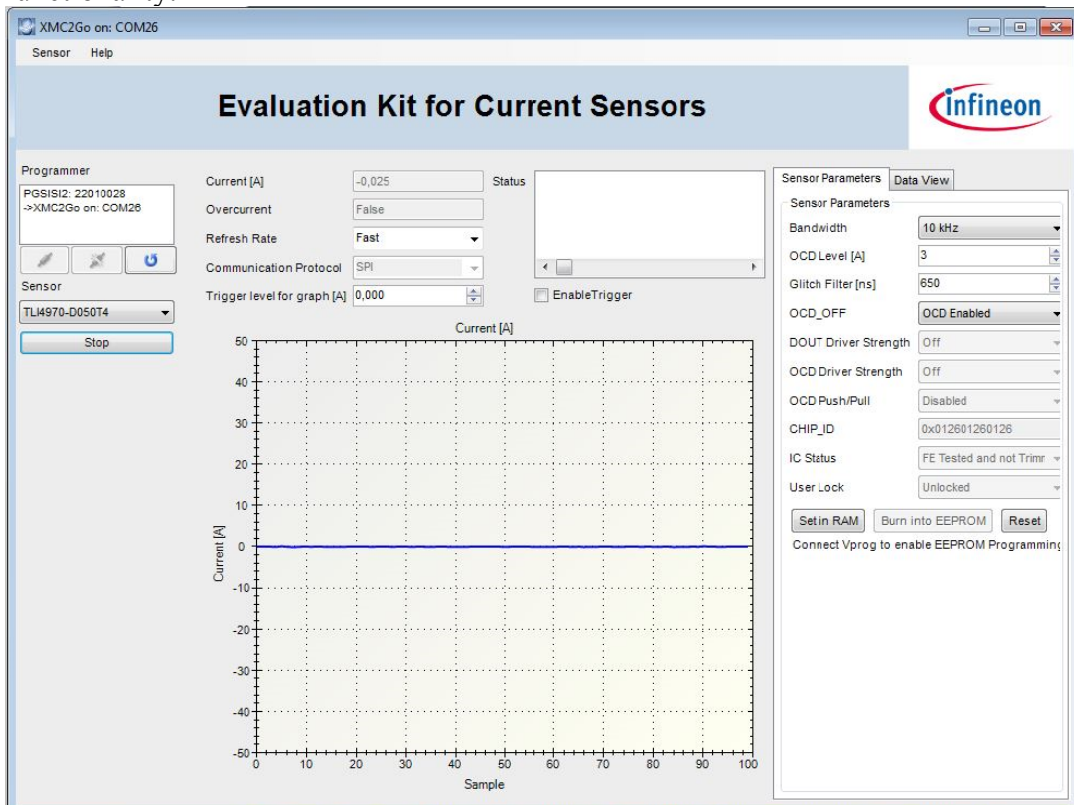
Note: The use of the TLI4970050 PROG-KIT together with this GUI version is also possible!



Now the sensor has to be selected from the *Sensor drop-down menu*:



By pressing the start button, the GUI will show the current value as a kind of oscilloscope functionality:



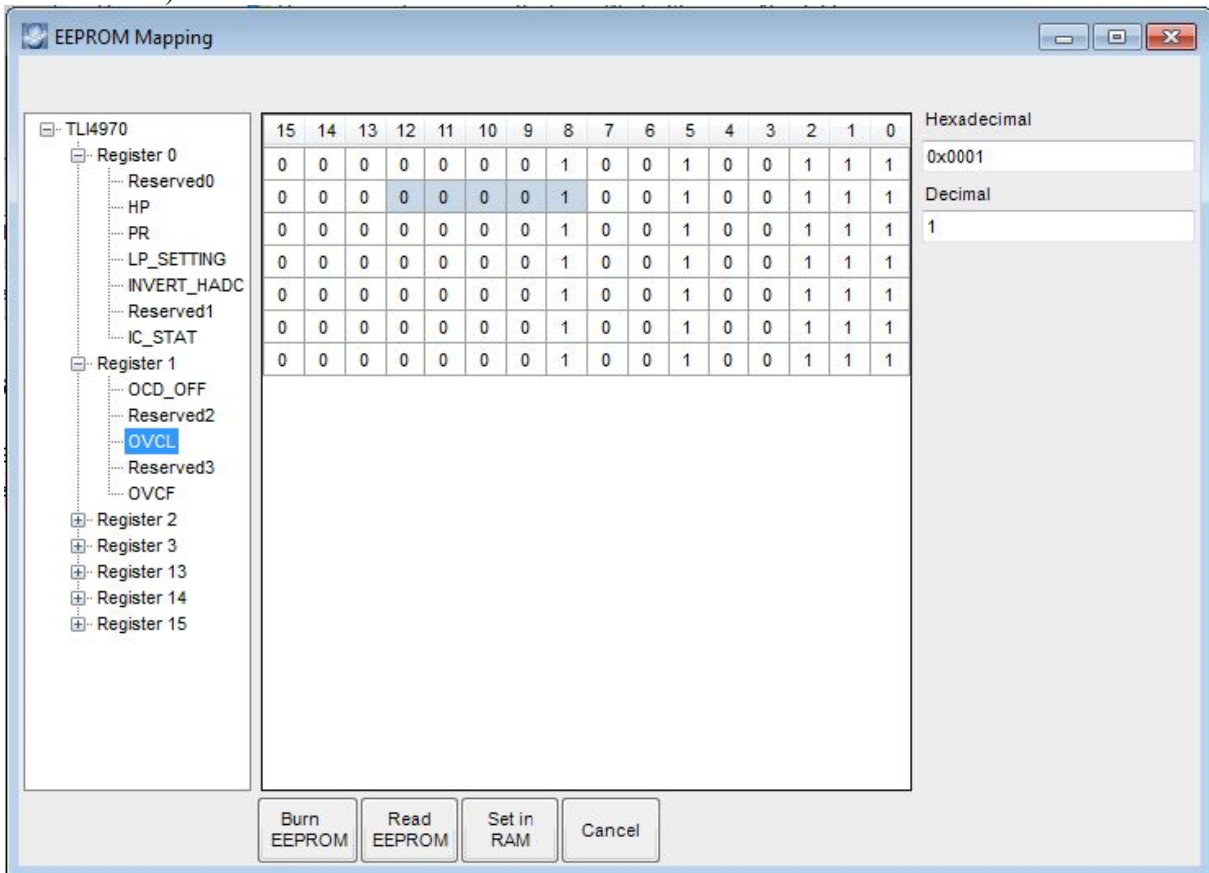
SENSOR Menu

Inside the *Sensor Menu*, you will find three submenus

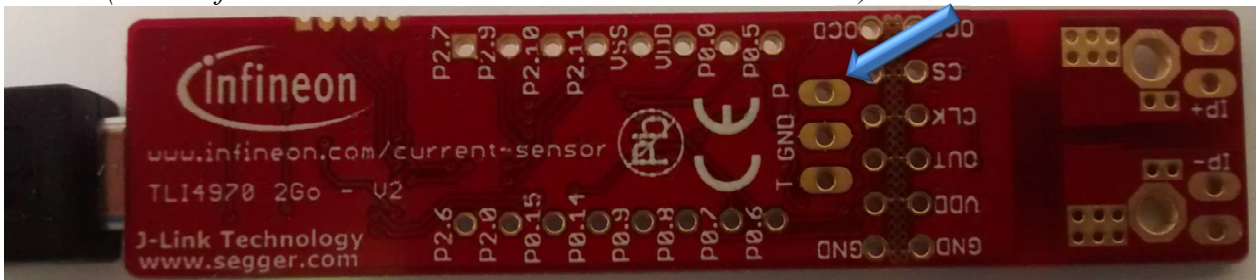
- EEPROM Register
- Interfaces
- Set EEPROM Timing

EEPROM Register

The *EEPROM Register* menu item shows the content of the current sensor EEPROM content. Also this functionality can be used for EEPROM programming (e.g. modification of the over current level):

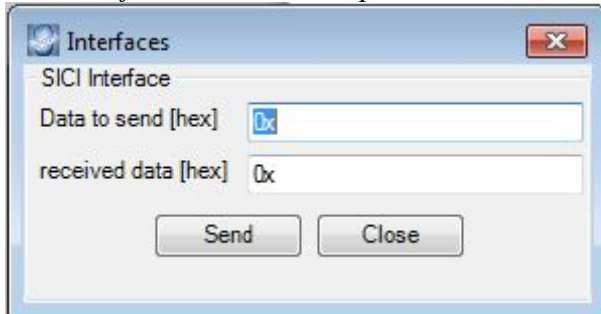


Note: To program the EEPROM, you have to provide a 20.6V voltage supply to the “P” contact (GND reference has to be connected with the GND contact):



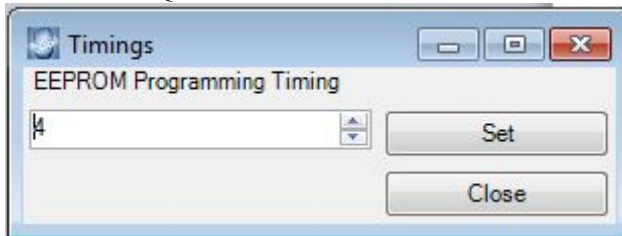
Interfaces

The *Interfaces* menu item opens a window for a single command based SICI communication:



Set EEPROM Timing

The *Set EEPROM Timing* menu item gives the possibility to influence the time of the internal programming pulse. For further information please reference to the “How to Program TLI4970 – Quick Instruction Guide”.





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