

SiemensLogo\_Modbus

V1.0 - First issue

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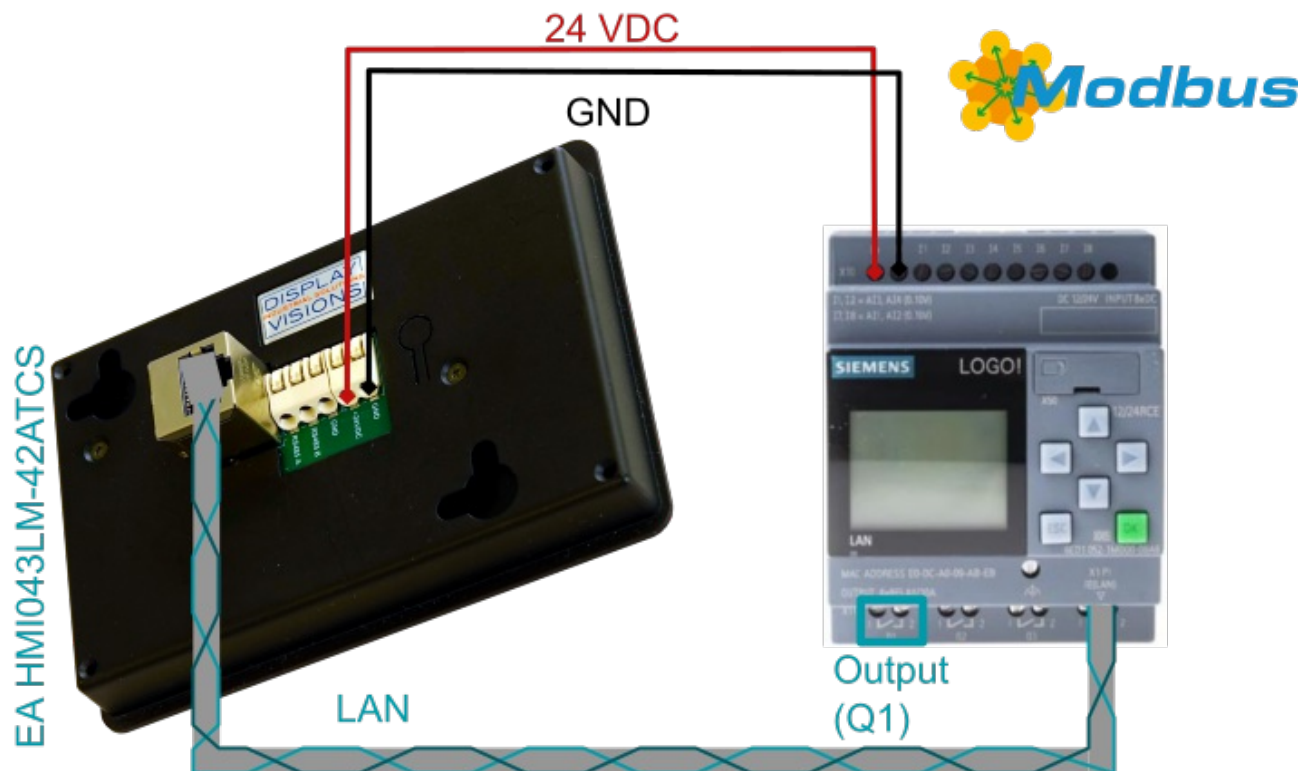
Software Siemens LOGO!

Please see LOGO!Soft Comfort project for details.  
To summarize.  
The Siemens LOGO! is setup as modbus master (Client). The EA HMI043LM-42ATCS is connected as modbus slave (Server).

The coil is mapped to output Q1. Data is retrieved from EA HMI043LM-42ATCS.  
A counter value can be set by user through arrow up/down keys. This value is sent to HMI module.

Data is synchronized every 80 ms.  
Please be informed that modbus data address needs offset of 1, as Siemens Logo starts with address one - not zero.

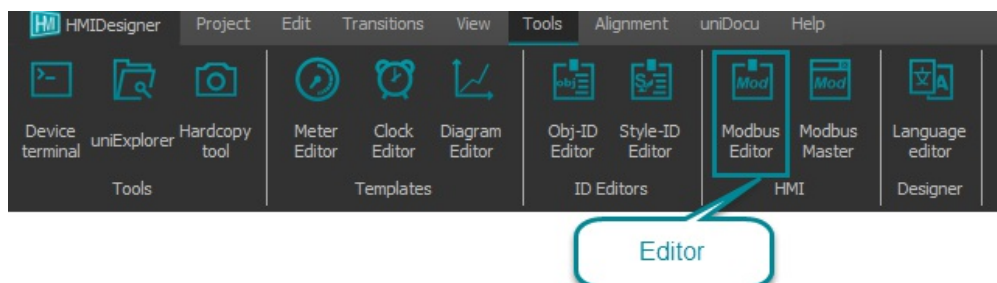
## SiemensLogo\_Modbus



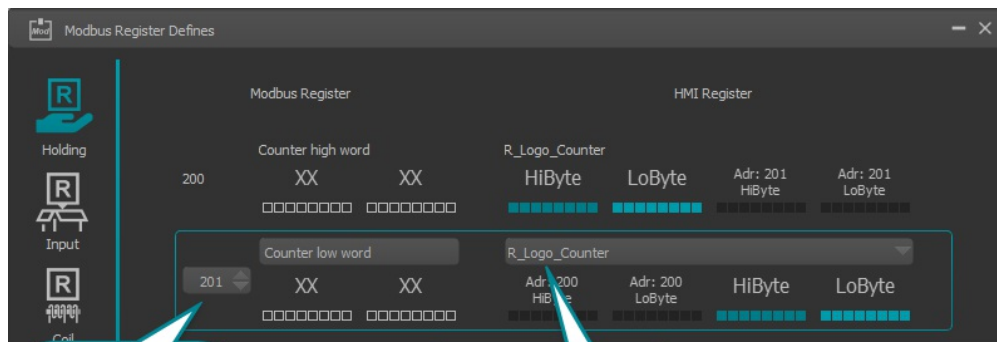
### Software EA HMI043LM-42ATCS

The EA HMI-Project visualizes a counter value sent by Siemens LOGO!. A push button sets the output Q1. The Modbus connection is monitored.

To exchange data through modbus, values need to mapped to registers:



## SiemensLogo\_Modbus



Modbus register  
address

Map to HMI-Register  
R\_Logo\_Counter

### Data usage:

The raw counter value is display directly on the screen with an auto change label. The value is combine to linear meter as well. The push button output sets or resets the bit that is combined to modbus coil.

### Modbus connection monitoring:

The system checks at certain intervals whether data has been received via Modbus.