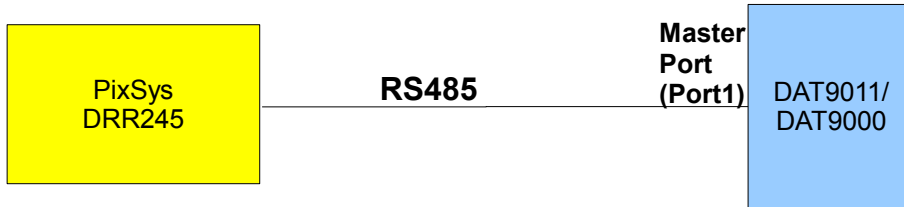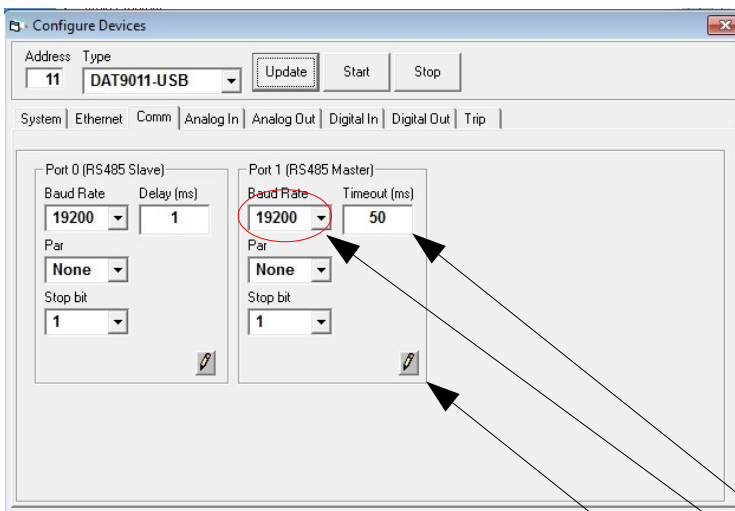# Read external device on RS485 network

• Configure Communication Parameters of DAT9011/DAT9000

To access to the window device configuration on Dev9k select *Tools-> Config ->Comm* by toolbar.

Default Communication Parameters of PixSys DRR245:

In according to the manual of DRR245 (page 52), the default communication parameters are:

Address: 254
Delay: 20ms
*Baud rate:*19200 Bit/s

It is necessary to set correct parameters to communicate with DAT9011 such as the figure on side for example (Port 1 Master):

Address: different by 254
Timeout: higher than delay slave (>20ms)
Baud rate: 19200 Bit/s
Par: None   *Stop bit:*1

Click on 🖉 to confirm configuration parameters.

• Dev9k Project
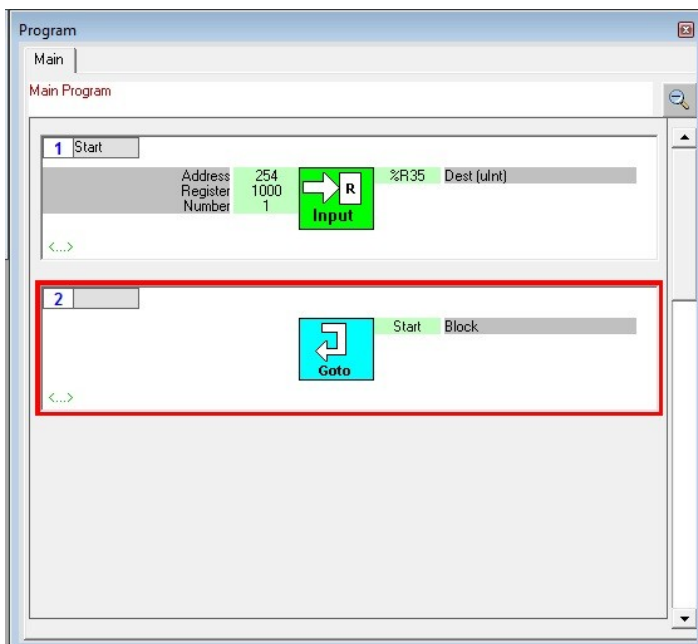
Block1: *"Read input" →* Read the value from external device (in according to the DRR245 manual).

- *Address: 254*
- *Register: 1000*
- *Number: 1*
- *Dest:* internal register destination of DAT9011/ DAT9000

Block2: *"Goto" →* *jump* to the beginning of the main program identified from by the label "Start"

- **Save the project**, reconnect the controller and set the DAT9xxx in Debug mode (click on Debug button, the yellow led starts blinking).
- Click on the Download button and in the Download form click on Ok. This could take a few minutes.
- At the end, set in Release mode.
- Now, the Project should run.