

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 x B Configure Devices DRR245: Address Type ▼ Update Start Ston 11 DAT9011-USB System Ethernet Comm Analog In Analog Out Digital In Digital Out Trip In according to the manual of DRR245 (page 52), the default communication parameters are: Port 0 (RS485 Slave)-Port 1 (RS485 Master) Baud Rate Baud Rate Delay (ms) Timeout (ms) 19200 -19200 50 Address: 254 Par Par Delay: 20ms None -None -Baud rate:19200 Bit/s Stop bit Stop bit • • 1 1 It is necessary to set correct parameters to 0 0 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" \rightarrow Read the value from Program external device (in according to the DRR245 manual). Main •Address: 254 Main Program Q •Register: 1000 . 1 Start •Number: 1 %B35 Dest (uInt) 254 .Dest: internal register destination of DAT9011/ R DAT9000 < 3 **Block2**: "Goto" \rightarrow *jump* to the beginning of the main program identified from by the label "Start" 2 Start Block J .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.