

Title: How to use M200 communication with WEINVIEW TK6050 IP via Modbus RTU

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Apply to:

EasyBuilder8000 V4.65.11 Build 2014.01.23

SoMachine Basic 1.3 SP1 EL build 44557

TM200CE40T, TK6050 IP

Summary:

This document will introduce you how to build communication between TK6050 IP and M200 PLC.

Solution:

1. M200 PLC Setup

Serial line configuration

Physical Settings

Device: None

Init command:

Baud rate: 9600

Parity: Even

Data bits: 8

Stop bits: 1

Physical medium

☒ RS-485 ☐ RS-232 Polarization: No

Protocol Settings

Protocol: Modbus RTU

Addressing: ☒ Slave ☐ Master Address [1...247]: 3

Response timeout (× 100 ms): 10

Time between frames (ms): 10

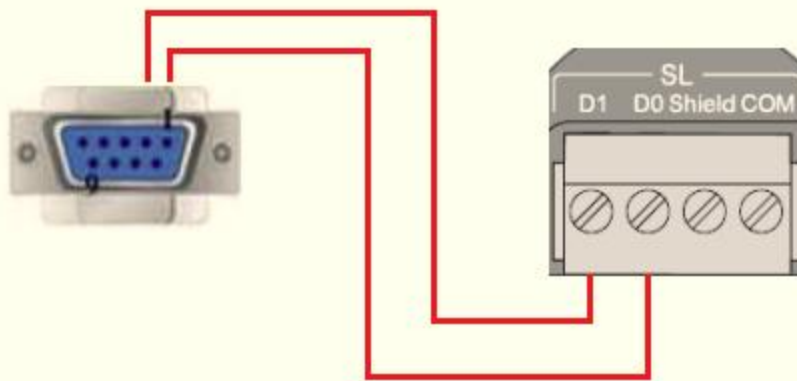
2. EasyBuilder8000 Setup

设备列表	HMI 属性	一般属性	系统设置	用户密码	字体	扩展存储器	打印/备份服务器
设备列表：							
编号	名称	位置	设备类型	接口类型	通讯协议	站	
本机 触摸屏	Local HMI	本机	TK6070iP/TK6070...	-	-	0	
本机 PLC 2	MODBUS RTU	本机	MODBUS RTU	COM 2 (9600,E,8,1)	RS485 2W	3	

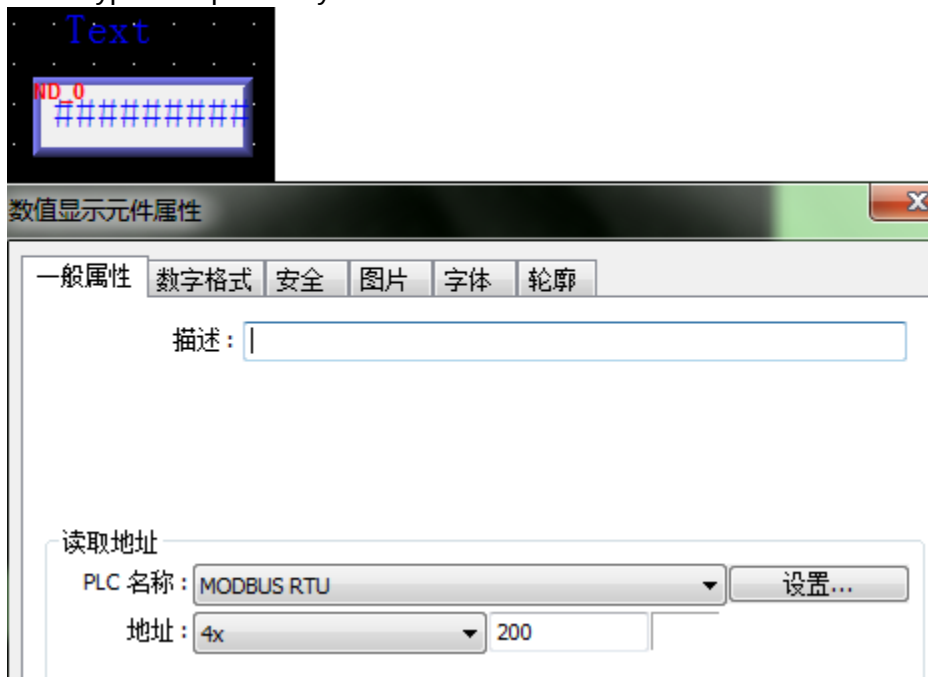
3. Connect Cable

管脚排列图: COM1 [RS-232], COM2 [RS-485]

Pin#	Symbol	Com1 [RS232]	Com2 [RS485]	
			4w	2w
1	Rx-		Rx-	Data-
2	Rx+		Rx+	Data+
3	Tx-		Tx-	
4	Tx+		Tx+	
5	GND		GND	
6	TxD	TxD		
7	RTS	RTS		
8	CTS	CTS		
9	RxD	RxD		



4. Data Type Setup in EasyBuilder8000



SB_0

位状态设置元件属性

一般属性 安全 图片 标签 轮廓

描述: |

写入地址

PLC 名称: MODBUS RTU 设置...

地址: 0x 10

☐ 当按钮松开才发出指令

属性

开关类型: 切换开关

0x, Function Codes: 01, Read Coils (%m)

1x, Function Codes: 02, Read Discrete Inputs (%i)

3x, Function Codes: 04, Read Input Registers (%iw)

4x, Function Codes: 03, Read Holding Registers (%mw)