THT02 快速使用步骤

1. 接线

THT02 有 4 根引线,其中红线接电源正极 VCC,黑线接电源负极 GND,黄线接 RS485 线 A+, 绿线接 RS485 线 B-。

如若客户需要拿机器进行测试或者配置等,则需 4 根线全部接好,即: VCC+、GND-接到对应的电源,RS485A+、RS485B-接到对应的 485 转接设备,直到能够正常通讯即可进行配置,若客户没有自己的软件进行测试,可使用 modbus poll 软件,具体测试方法见步骤 3~7

2. 通电

接好线之后需通电,THT02 支持供电电压为 5~24V,通电之后机器显示屏会有数据显示并指示灯亮红灯

3. 打开 modbus poll 软件

打开 modbus poll 软件,点击 setup,选择 Read/Write Definition,如图 2

월 Modbus Poll - Mbpoll1								
File Edit Connection	Setup Functions Display View Windo	ow Help						
🗈 🖬 🖶 🎒 🗙 🛅	Read/Write Definition F	8 🛛 😰 🦞 🕅						
Mbpoll1 Tx = 0: Err = 0: ID = 1	Read/Write Once F Read/Write Disabled Shift+F							
No connection Alias	Excel Log Alt+ Excel Logging Off Alt+	x						
0	Log Alt+ Logging Off Alt+	L 0						
2	Reset Counters F1 Reset All Counters Shift+F1	2 2						
4	Use as Default							
5	0							
6	0							

图 2

4. 根据图 3 修改, slave ID 为主机地址,应与 THT02 地址一致才能通信(THT02 地址通过拨码开关设置); quantity 为寄存器数量,THT02 寄存器数为 8 个,修改完后点击 "OK"

bpoll1 0: Err = 0: ID = 1: F = 03: SR = 11	Read/Write Definition	
Alias 00000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	SevelD 1 OK Function: 0.3 Read Holding Registers (44) Cancel Addess: 0 Protocol address: E.g. 40011 > 10 Ouarity/8 8 Scan Rate: 1000 [ms] Apply Drackie Read/Wate Disabled Read/Wite Dince Vew Rood: 10 2.0 5.0 100 Fit to Quarity Holds Act Columns PLC Addresses (Bare 1) Addes Addes	

图 3



图 4

说明:图4中拨码开关共有8个拨码位,从1-8分别对应的数字是128、64、32、16、8、4、2、1,由于图4中的"8"拨码位已经拨到ON处,故THT02的地址为1,若多个拨码位处于ON,地址为每个拨码位的值相加

6. 点击 connection,选择 connect,如图 5

뤏 Modbus Poll - Mbpoll1								
File Edit Connection Setup Functions Display View Window Help								
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1 💬 1	Mbpo	Disco	nnect	F4				
Tx :	= 0: E	Auto	Connect	•	DOms			
No	conne	Quick	Connect	F5				
		Alias		00000				
0				0				
1				0				
2				0	÷			
3				0				
4				0				
5				0				
6				0	•			
-								

图 5

7. 按图 6 修改,其中端口 COM 根据电脑端口而定;波特率默认 9600,应与 THT02 一致才能通信;数据位为 8 位,停止位为 1 位,无检验位。设置完之后点击"OK"

Modbus Poll - Mbpoll1	View Window Help	
	16 17 22 23 TC ☑	
Image: Constraint of the state of the st	16 17 22 23 TC Image: Connection Setup Connection Image: Connection Image: Connection Image: Connection Image: Connection Serial Port Image: Connection Image: Connection Image: Connection Image: Connection Serial Port Image: Connection Image: Connection Image: Connection Image: Connection Serial Settings Image: Connection Image: Connection Image: Connection Image: Connection Serial Settings Image: Connection Image: Connection Image: Connection Image: Connection Serial Settings Image: Connection Image: Connection Image: Connection Image: Connection Serial Settings Image: Connection Image: Connection Image: Connection Image: Connection Serial Settings Image: Connection Image: Connection Image: Connection Image: Connection Serial Settings Image: Connection Image: Connection Image: Connection Image: Connection Serial Settings Image: Connection Image: Connection Image: Connection Image: Connection Serial Settings Image: Connection	
	Server Port Connect Timeout IPv4 502 3000 [ms] IPv6	

图 6

8. 完成以上步骤即可让THT02与主机通信,如图7中表示THT02温度为21.3℃,湿度为70.6%, 地址为1,波特率为9600。



图 7

如若按以上步骤操作不能通信请检查以下信息:接线是否接好接对、通电是否正常、地址码 是否主从一致、波特率是否主从一致