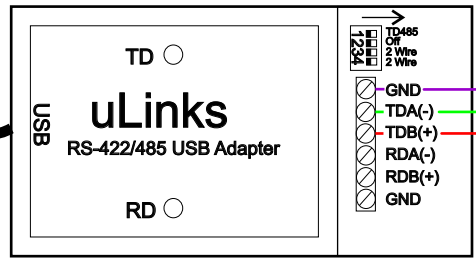


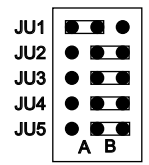
PC Software Protocol - Modbus RTU

Data format  
8 data bits  
no parity  
1 start bit  
1 stop bit

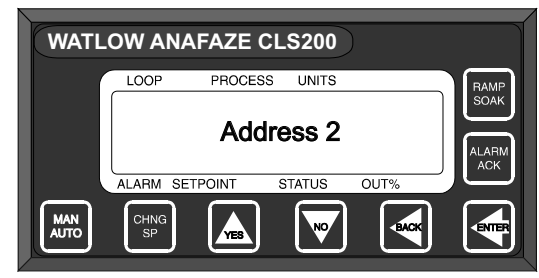
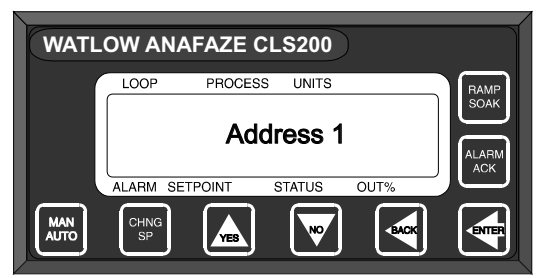
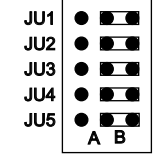
Set DIP switches ON



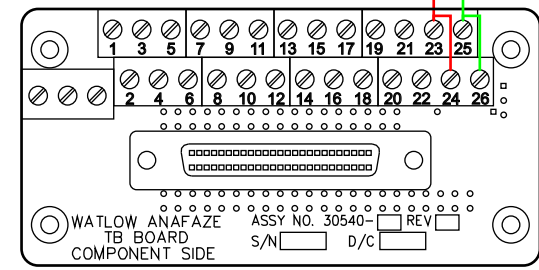
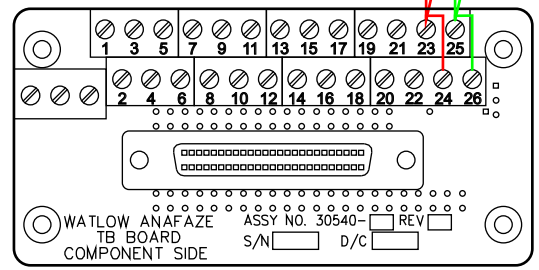
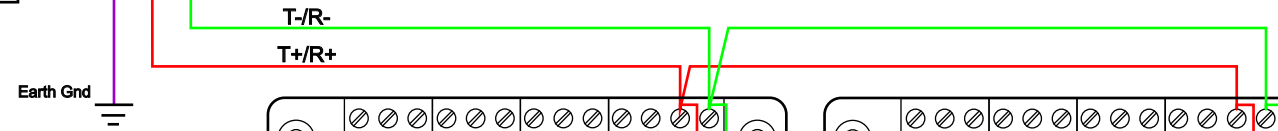
Set communications protocol to Modbus  
in Global Menu  
Set jumpers inside controller



Set communications protocol to Modbus  
in Global Menu  
Set jumpers inside controller  
JU1 to right on last controller



Use twisted pair wires such as Cat 5 cabling.  
Do not route with power carrying conductors.  
Daisy chain wire up to 32 devices.



Watlow CLS200 Series with B&B electronics  
Model uLinks USOPTL4  
USB to RS-485 Adapter

Caution: Use only optically isolated converters  
with CLS200 Series products.

Example communication wiring diagram

Drawing created 11/1/2006  
components subject to change