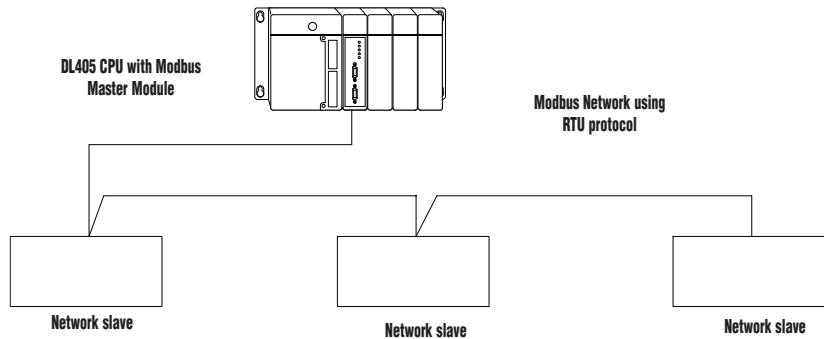


Modbus Network Master



Specifications	
Modules per CPU	Eight maximum, any slot in CPU base
F4-MAS-MB	Ports 1 and 2, RS-232/422/485 selectable, maximum baud rate of 115.2K baud. Note: Select port 1 or port 2 as the Modbus port (only one can be configured as a Modbus port.) If port 2 is configured as the Modbus port, then port 1 can be configured as a debug port.
Recommended Cable	Belden 9841 or equivalent (RS-485) Belden 9729 or equivalent (RS-422)
Power Required	235mA max at 5VDC (supplied by base power supply); 350mA for F4-MAS-MBR
Environment	0°C to 60°C (32°F to 140°F), 5% to 95% humidity (non-condensing)
Manufacturer	FACTS Engineering



Typical network slaves might include PLCs, drives, PC, etc

Overview

Our Modbus Master module allows you to use a DL405 PLC as the network master for a Modbus RTU network. The module communicates with any network slave by using high level Modbus commands.

Easy setup and operation

Module setup is accomplished by loading values into special V-memory locations inside the DL405 CPU. The data read or written is also stored in the CPU's V-memory area, which makes it easily accessible for use in control schemes. If simplicity is your primary concern, you can use the DL405 RX and WX instructions in your ladder program to initiate read and write requests. Minimal setup is required with this option and it is especially useful for event-triggered data exchanges. If you have more complex data requirements, you can use the Table Read/Write capability. By filling in a special block of the CPU's V-memory, you can specify a slave address, starting data address, and number of bytes to transfer. This option requires more setup, but it is also more useful if you need to constantly exchange data with several slave stations.