PROTOS X I/O SYSTEM REQUIREMENTS

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A Protos X System is comprised of assemblies. An assembly consists of:

1. A Bus Coupler
2. Up to 64 I/O Terminals
3. A Bus End Terminal

Typical System Setup

An example of a typical Protos X I/O system can be seen below. An I/O Bus, powered through the Bus Coupler, provides data communication across the terminal assembly via six contacts located on the side walls of the terminals. A Terminal Power Bus provides power for the I/O terminals via two power contacts. A power source of 24VAC or 24VDC must be connected to the Bus Coupler from an external supply.

For expansion beyond a 64 terminal assembly, a Bus Expansion End Terminal (PX-902) is used in place of a standard Bus End Terminal (PX-901). A Bus Expansion Coupler Terminal (PX-903) is used at each expansion assembly in place of a PX-MOD or PX-TCP1 Bus Coupler. Up to 31 Expansion couplers can be used in a group of assemblies. Connection is made between the Expansion Coupler Terminals via standard RJ45 Ethernet patch cable.

Note: The PX-TCP2 Bus Coupler does not support expansion.

Bus Coupler (Required) I/O-Bus Bus End Terminal (Required)

Terminal Power Bus