

# GLOSSARY

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# APPENDIX A

## **Bus Controller**

Provides interface to the fieldbus via serial or Ethernet communications using Modbus protocol or EtherNet/IP network. Sends data to the I/O Bus and provides power to the Terminal Power Bus. Includes status LEDs.

## **Bus End Terminal**

Required at the end of a terminal assembly and is used to terminate the I/O bus. Not required if using a bus expansion end terminal.

## **Bus Expansion Coupler Terminal**

Used in place of the Bus Controller in an expansion assembly when expanding to a Terminal Group. If used in the first expansion assembly of a group, connect to a Bus Expansion End Terminal via RJ45 port. If used in any other expansion assembly, connect to the preceding Bus Expansion Coupler Terminal via one port, and to an additional Bus Expansion Coupler Terminal through a second port.

## **Bus Expansion End Terminal**

Used at the end of the Bus Controller terminal assembly when expanding to a Terminal Group. Connects to a Bus Expansion Coupler Terminal via RJ45 port.

## **I/O Bus**

Provides a data path across the terminal assembly. Requires a Bus End Terminal at the end of the assembly to terminate the I/O Bus.

## **I/O Bus Contacts**

Six contacts located on the upper right side of a Bus Coupler or Terminals to pass the I/O bus data.

## **Power Terminals**

Used to introduce, separate or distribute power along the Terminal Power Bus.

## **Terminal Assembly**

Comprised of a Bus Controller, up to 64 Terminals, and a Bus End Terminal.

### **Terminal Group**

Comprised of two or more Terminal Assemblies.

### **Terminal Power Bus**

Provides power to the Terminals.

### **Terminal Power Bus Contacts**

Three spring contacts located on the lower right side of a Bus Coupler or Terminal pass power through three blade contacts located on the lower left side of adjoining Terminals.