

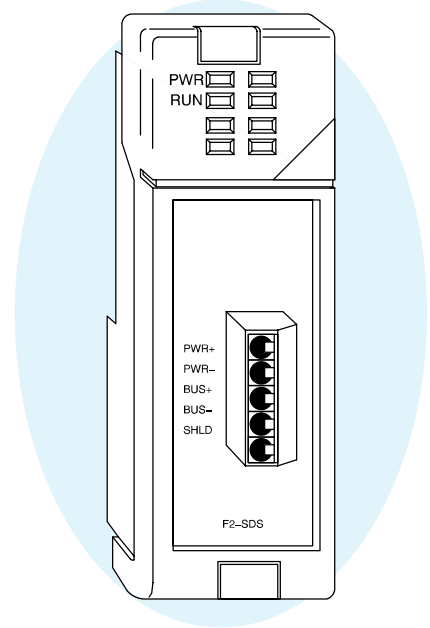
F2-SDS-1 slave

If you are already using or planning to implement an SDS™ controller network, using the F2-SDS-1 module and I/O sub-system will help further reduce the cost of your overall application. The Smart Distributed System™ (SDS) provides a means to connect automation equipment and devices on a single network which eliminates expensive hard-wiring. This standard communication media and software provides a low-cost method for controllers and devices to communicate low-level data at high speeds. SDS provides specifications for information exchange between nodes, as well as device-level diagnostics not normally found through other I/O systems. The F2-SDS-1 module allows the well-proven micro-modular DL205 I/O system to be controlled by your SDS master controller

Here's how it works!

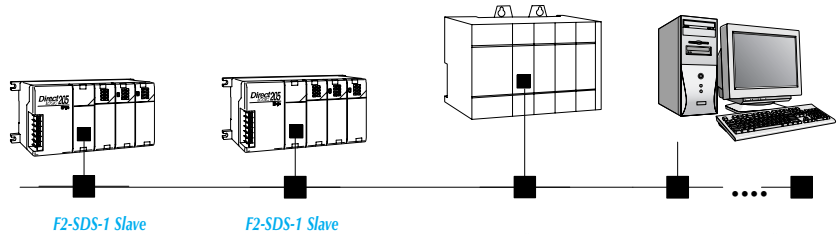
The FS-SDS-1 module plugs into the CPU slot of any DL205 I/O base. The module maintains a database with all the identification data, diagnostic information, and parameters that control the operation of the SDS slave module and the I/O that are configured within the base. The F2-SDS-1 slave will monitor and report discrete and analog I/O module data to a SDS Master. All AC externally-powered DL205 I/O base units contain a 24VDC, 0.2A power supply for simple wiring of sensors and actuators into the DL205 I/O modules, and for controlling them with a SDS Master. The F2-SDS-1 module supports all DL205 discrete and analog I/O modules.

- **Cost effective:** Inexpensive controller and industrial DL205 I/O sub-system
- **Easy Connectivity:** Low-cost, easy to implement and maintain wiring system
- **Innovative technology:** Power is integrated into the device.
- **Diagnostics:** Advanced error diagnostics not commonly found in traditional systems
- **High baud rates:** Response time down to 0.10ms per device.
- **LED Indicators:** Provide quick indication of DL205 Smart Distributed System



F2-SDS-1 Interface Specifications	
Module Type	CPU device
Module Location	CPU slot of any DL205 base
Number of I/O	Defined by number of slots per base
Maximum Field Devices per Bus	126 (see table next page)
Max SDS Addresses per CPU	8 discrete, 64 analog
Communication to Field Devices	Standard 4-wire shielded cable to cabinet connector, molded 4-wire cable @ up to 1Mbps to field devices.
Module Connector	5-position removable terminal (European style)
Operating Environment	0°C to 60°C (32°F to 140°F), 5% to 95% humidity (non-condensing)
Internal Power Consumption	160mA @ 5VDC
Manufacturer	FACTS Engineering

Connect our micro-modular DL205 I/O...



with your PLC or PC-based SDS Master.

Ask for our D2-INST-M Installation and I/O Manual for complete information about DL205 I/O modules, power budgeting, and installation and wiring. This manual does not cover CPU-slot controllers.

