Allen-Bradley Components

PART #	A-B PART #	DESCRIPTION
49593	1746-P2	Power supply SLC 500
49592	1746-A13	Chassis 13-slot SLC 500
49591	1746-A10	Chassis 10-slot SLC 500
49590	1746-A7	Chassis 7-slot SLC 500
49589	1746-A4	Chassis 4-slot SLC 500
49588	1747-L542	Processor SLC 5/04 32K
49587	1747-SN	Module, remote I/O scanner SLC 500
49586	1746-IA16	Module, input 120 VAC, 16-channel
49585	1746-OW16	Module, output, relay, 16-channel SLC 500
49584	1746-NIO4V	Module, analog, 2 selectable inputs, two 0–10 volt VDC voltage outputs
49583	1746-NIO4I	Module, analog, 2 selectable inputs, two 0–20mA current output

The Allen-Bradley SLC 500 line of processors is the choice for high-end control applications. These logic controllers are built around two flexible hardware options that offer more I/O flexibility than other programmable logic controllers.

The SLC 5/03 processors allow modular configuration of up to 960 I/O (discrete digital and analog I/O modules, and intelligent I/O modules) and a 12K instruction
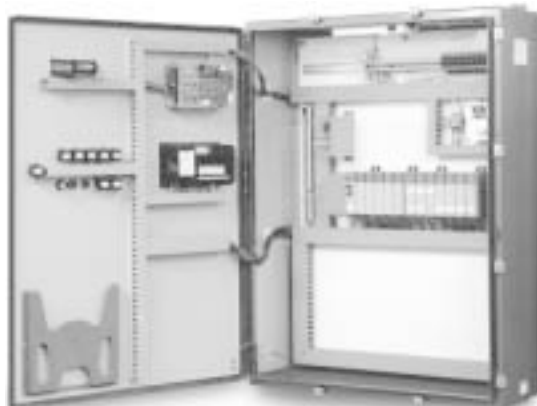
Example of Rice Lake-manufactured Allen-Bradley controller system

memory capacity. With bit execution times of less than 0.5µs, they set the pace for speed in small programmable controllers. In addition to DF1 and DH-485 serial communication capabilities, the SLC 5/03 processor also supports reading and writing ASCII strings.

The SLC 5/04 processors have the same features as the SLC 5/03 processors, except instead of a DH-485 port, the SLC 5/04 has a built-in DH+ port. Communication via the DH+ network takes place three times faster than DH-485 communication. The built-in serial port is capable of DF1, ASCII or DH-485 communication. An SLC 5/04 processor has up to 20K instruction memory capacity.

Applications

- Packaging
- Bottling
- Canning
- Material handling
- SCADA

Standard Features

- Capable of addressing material handling, HVAC control, and assembly operations
- Advanced instruction set based on PLC-5 mid-size processors
- DH-485 communication for programming and remote monitoring
- Broad line of discrete digital and analog and intelligent I/O modules
- Displays/user interface elements—consult factory

Options/Accessories

49579	6180-BFCBEGAZCBZ	Industrial computer 11.3 TFT display (NEMA 4)
49582	ABP-2711K6C8	PanelView 600 color display

PanelView 600 color display

For Use With:

- Allen-Bradley SLC 5/03, 5/04, 5/05 PLCs

RICE LAKE WEIGHING SYSTEMS
Industrial Solutions on a Global Scale®

ISO 9001 REGISTERED

EPPD 72

Controllers Specifications:

I/O CAPACITY:
SLC-5/03 = up to 960 I/O
SLC-5/04 = up to 905 I/O

I/O MODULE TYPES:
4-I/O, 8-I/O, 12-I/O, 16-I/O, and 32-I/O modules
Input-only, output-only, and combination input/output modules
Analog and digital I/O circuits

MEMORY CAPACITY:
SLC-5/03 = 12K instructions, plus 4K data table
SLC-5/04 = 20K instructions, plus 4K data table

MEMORY TYPE:
Battery-backed RAM, EPROM, or EEPROM

POWER-SUPPLY LOADING:
SLC-5/03 = 0.500A @ 5 VDC, 0.175A @ 24 VDC
SLC-5/04 = 800 mA @ 5 VDC, 60 mA @ 24 VDC

WARRANTY:
One year limited warranty

Power Supply Specifications:

LINE VOLTAGE:
85-132/170-265 VAC, 47-63 Hz

LINE POWER REQUIREMENT:
165 VA @ 120 VAC, 180 VA @ 240 VAC

MAXIMUM INRUSH CURRENT:
20A

INTERNAL CURRENT CAPACITY:
5A @ 5 VDC, 0.96A @ 24 VDC

FUSE PROTECTION:
1746-F2 or equivalent; 250V-3A fuse, SANO SOC SD4 or
BUSSMANN AGC 3

24 VDC USER POWER CURRENT CAPACITY:
200 mA

24 VDC USER POWER VOLTAGE RANGE:
18-30 VDC

AMBIENT OPERATING TEMPERATURE RANGE:
32 to 140°F (0 to 60°C)
(Current capacity derated 5% above 55°C)

STORAGE TEMPERATURE:
-40 to 185°F (-40 to 85°C)

HUMIDITY RATING:
5-95% non-condensing

WIRING:
2 #14 AWG wires per terminal, max

APPROVALS:
UL, CSA

WARRANTY:
One year limited warranty