

PROGRAMMABLE LOGIC CONTROLLER

DESCRIPTION

Would you like to have your students trained to meet the needs of the automation industry? If so, then consider integrating the CL-1544 unit into your training programs. Based mainly on the Rockwell Automation PLC modules, our training unit can precisely simulate actual production processes in a safe, off-line environment.

The PLC combines state-of-the-art MicroLogix™ programmable controller technology in a compact, easy-to-use package. Packed with analog and digital I/O, with advanced communications possibilities, this unit is perfect for simulating all of your programmable-control applications.



MAIN FEATURES (with Rockwell controller)

- ❑ One (1) master switch ON/OFF
- ❑ Universal I/O Simulator:
 - Two (2) pushbutton START and STOP
 - One (1) MANUAL or PLC mode switch
 - Six (6) switches for Digital AC input
 - Two (2) pushbuttons for Digital AC input
 - Eight (8) switches for Digital AC output
 - Eight (8) output lamps indicator
- ❑ Interface connector for:
 - Digital I/O Connector
 - Eight (8) digital AC input
 - Eight (8) digital AC output
 - Two (2) 120V AC - 60Hz output
 - Analog I/O Connector
 - Four (4) inputs
 - Two (2) individually isolated outputs
 - Voltage: 0 to 10V DC
 - Current: 4 to 20 mA
- ❑ PLC modules:
 - Controller Base Unit 1764-24 AWA
 - Processor 1764-LRP
 - Analog input/output module 1769 IF4XOF2
- ❑ Communication ports:
 - One (1) non-isolated RS-232-C port and one (1) isolated RS-232-C port, each with DF1 full duplex, DF1 half duplex, ASCII, Modbus, and DH-485 protocols
- ❑ Network solutions possibility:
 - Optional DH-485 network – Device Net network and Ether Net/IP network are available with dedicated interface
- ❑ Power cord and AB programming cable
- ❑ Programming software: RS Logix 5000 Enterprise Series software
 - Relay ladder editor
 - Optional function block diagram editor, sequential function chart editor and structured text editor are available separately

COATING SPECIFICATIONS

Type	
Blue thermalkyd thermosetting enamel	
Features	
Thermalkyd enamel, when baked completely, produces a strong, resistant finish. The following physical tests, to say flexibility, impact resistance, abrasive resistance, adherence and hardness, are extremely satisfying when applied to properly prepared metal. Thermalkyd enamel has a good resistance to water, detergents, gasoline, salt, humidity and sunlight.	
Properties	
Resistance to water:	Intact after 18 hours.
Resistance to gasoline:	Intact after 4 hours.
Resistance to salt:	Less than 0.15 cm (1/16 in) deterioration by corrosion and no cracking after 150 hours.
Resistance to humidity:	No cracking and no color change after 500 hours.
Flexibility:	No cracking on a 0.30 cm (1/8 in) conical mandrel.
Adherence:	Crosshatch test; adherence is same.
Impact:	31 cm/kg (30 in/lbs) no cracking on direct or indirect impact.
Hardness:	HB-F pencil.
Metal temperature:	10 minutes at 150 °C (300 °F).

PHYSICAL SPECIFICATIONS

Dimensions: 30 x 30 x 35 cm (12 x 12 x 14 in)
Weight: 6.8 kg (15 lbs)

