



PT-101 PLC Training Unit

Industrial Automation Process Controls SCADA Systems PLC Programming

Overview

The PT-101 is an affordable, portable training unit specifically designed for the Industrial Automation industry. It provides students with a highly interactive hands-on experience. The PT-101 is designed specifically for training technicians and programmers who work with PLCs (Programmable Logic

Controllers). PC based graphical programming is presented using AutomationDirect's CLICK® programming software. A "Demo" program and demo display provides several program application examples. A low cost, comprehensive online training course is available through AutomationDirect. All of the DDC devices are interfaced with the main PLC controller via hardwired or network connections. The Ethernet-based CLICK programmable controller



has RS-232 and RS-485 ports for Modbus RTU communication. It also has integral discrete Input/Output and an analog expansion module for 4-20mA device interface. The color touchpad display can be

programmed using the included software. The VFD can be controlled by the PLC via Modbus network or hardwired IO. The PT-101s can be operated stand alone or easily networked together for use in a learning center environment. The rugged, weatherproof case has a built-in handle and a removable cover. The case can be permanently mounted to a tabletop using the integral mounting slots.

Components

CLICK PLC Ethernet Controller with integral Discrete IO and Modbus network ports

CLICK Analog module with 4-20mA Input/Output

Programmable 6" Color Touchpad Display with Function Keys

GS-1 Variable Frequency Drive with Neon output lamps

Instrument panel with Input/Output devices and 24vdc posts

5 port Ethernet switch 10/100mpbs

Specifications

Power Requirements	50w 120vac 60hz
Operating Temperature	55°F to 85°F
Storage Temperature	10°F to 110°F
Relative Humidity	10 to 95% RH non-condensing
Mounting	5/16" carriage bolts (2) optional
Shipping Weight	20 lbs
Dimensions	18.5"W x 14"H x 7"D (w/cover)

Curriculum Options

CLICK PLC101	Intro to PLC Programming Online Video Series – Provided by AutomationDirect's InterconnectingAutomation.com website for a fee. (See website for costs)
PT101 DEMO	Startup "Demo" setup with pre-configured network drivers and display profiles. USB drive with software, Demo backup and several sample programs included.