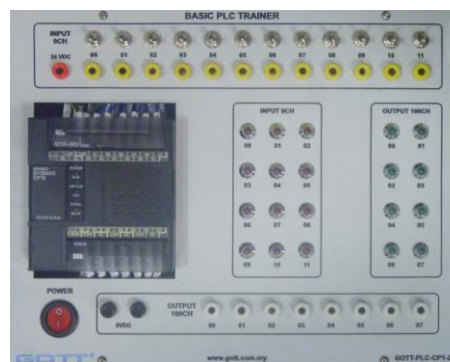# BASIC PLC TRAINER OMRON CP1E
Model Number : GOTT-PLC-CP1E

Based on 20 I/O PLC

DESCRIPTION

GOTT Basic PLC Trainer Is a complete training system, introducing the student to the operation, programming and troubleshooting of modern industrial programmable logic controllers.

A complete curriculum is provided incorporating many learning activities related to basic sequence, circuit flow, ladder logic programming and trouble shooting. Many activities reflect realistic industrial applications.

This product, together with its associated student manual and programming manual, creates a complete introductory course in PLCs, for industrial training applications as well as in the educational learning.

FEATURES

- Works with Existing Equipment
- Equipped with manual switches to simulate all inputs
- Equipped with indication lights to simulate all outputs
- Open system. Ready to communicate with personal PC
- Accommodates other PLC Brands too
- Easily and Portable

- Shortage-circuit protection
- Allows for attachment to external devices.
- Easy connect ability to existing motor sensors, valves and switches through standard banana jacks
- Can be combined with other control devices relating to industrial sensors and others megatronic training equipment.

COMPONENT SPECIFICATION :

The system consists of the following standard items:

PLC MAIN UNIT

ITEM	DESCRIPTION	UNITS		
		20 I/O	30 I/O	40 I/O
Controller (CPU)	Micro PLC	1 ea	1 ea	1 ea
Input	24V DC Input	12 ea	18 ea	24 ea
Output	Relay Contact Output	8 ea	12 ea	16 ea
Cable	Program download cable	1 ea	1 ea	1 ea
Adapter	RS-232C converter	1 ea	1 ea	1 ea
Power Supply	24 V DC 2.1 A (short circuit protection)	1 ea	1 ea	1 ea
Input Terminals	4mm Ø Banana Jack	12 ea	18 ea	24 ea
Output terminals	4mm Ø Banana Jack	8 ea	12 ea	16 ea
Input Switches	Toggle Switch	12 ea	18 ea	24 ea
Simulation Indicators	LED	20 ea	30 ea	40 ea
Alarm	Buzzer (with ON/OFF Switch)	1 ea	1 ea	1 ea

ACCESSORIES

- Training CD
- Introduction CD

EXPERIMENT TOPICS :

- Fundamentals of Logic
- Programming Language
- Developing Ladder Logic Programs
- Programming timers
- Structure of Control Systems
- Sequencer Programs
- Master Control & Zone Control Instructions
- Programming Counters
- Jump Instructions and Sub-routines
- Combined Counter and Timer Functions
- PLC Installation Practices

OPTIONAL ITEM

- Hand-held Programming Console

Manuals :
(1) All manuals are written in English
(2) Programming Manual (CD Format)
(3) Teaching Manuals (CD Format)
(4) Training manual

General Terms :
(1) Accessories will be provided where applicable
(2) Manuals & Training will be provided where applicable
(3) Designs & Specifications are subject to change without notice
(4) We reserve the right to discontinue the manufacturing of any product.

Warranty :
2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
BASIC PLC TRAINER OMRON CP1E 20 I/O	GOTT-PLC-CP1E-20	787-640
BASIC PLC TRAINER OMRON CP1E 30 I/O	GOTT-PLC-CP1E-30	787-650
BASIC PLC TRAINER OMRON CP1E 40 I/O	GOTT-PLC-CP1E-40	787-651
HAND-HELD PROGRAMMING CONSOLE	GOTT-HPC-418	418-000

*Proposed design only, subject to changes without any notice.