MECHATRONICS

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

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 troubleshooting. 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 mechatronic training equipment.

COMPONENT SPECIFICATION:
The system consists of the following standard items:

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

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

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

ORDERING INFORMATION:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MODEL NUMBER</th>
<th>CODE</th>
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<tbody>
<tr>
<td>BASIC PLC TRAINER OMRON CP1E 20 I/O</td>
<td>GOTT-PLC-CP1E-20</td>
<td>787-640</td>
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<tr>
<td>BASIC PLC TRAINER OMRON CP1E 30 I/O</td>
<td>GOTT-PLC-CP1E-30</td>
<td>787-650</td>
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<tr>
<td>BASIC PLC TRAINER OMRON CP1E 40 I/O</td>
<td>GOTT-PLC-CP1E-40</td>
<td>787-651</td>
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<tr>
<td>HAND-HELD PROGRAMMING CONSOLE</td>
<td>GOTT-HPC-418</td>
<td>418-000</td>
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*Proposed design only, subject to changes without any notice.