

ESD008B

Pedagogical PLC, Schneider M221

TECHNICAL DESCRIPTION

ESD008B Packages include :

- Industrial PLC, Schneider M221 (24 On/Off Inputs/Outputs and 2 Analogue Inputs), set in a box with Ø 4-mm connectors to be put on a table,
- A power supply,
- A flash disk with programming software (Machine Expert Basic)
- booklet with experiments

TOPICS

- Control of an automatic system with PLC or PC, counting and delays.
- Several operating parts are available:
 - Traffic lights,
 - 3-levels hoist, 21 I/O,
 - 5-levels lift system (50 I/O) partial control or complete control with networks connection,
 - Pneumatic robot system (50 I/O) partial control or complete control with networks connection.

TRAINING

- Scientific or Technical Highschools
- Polytechnics

- Technical Colleges (Bachelor degree)
- Engineers schools

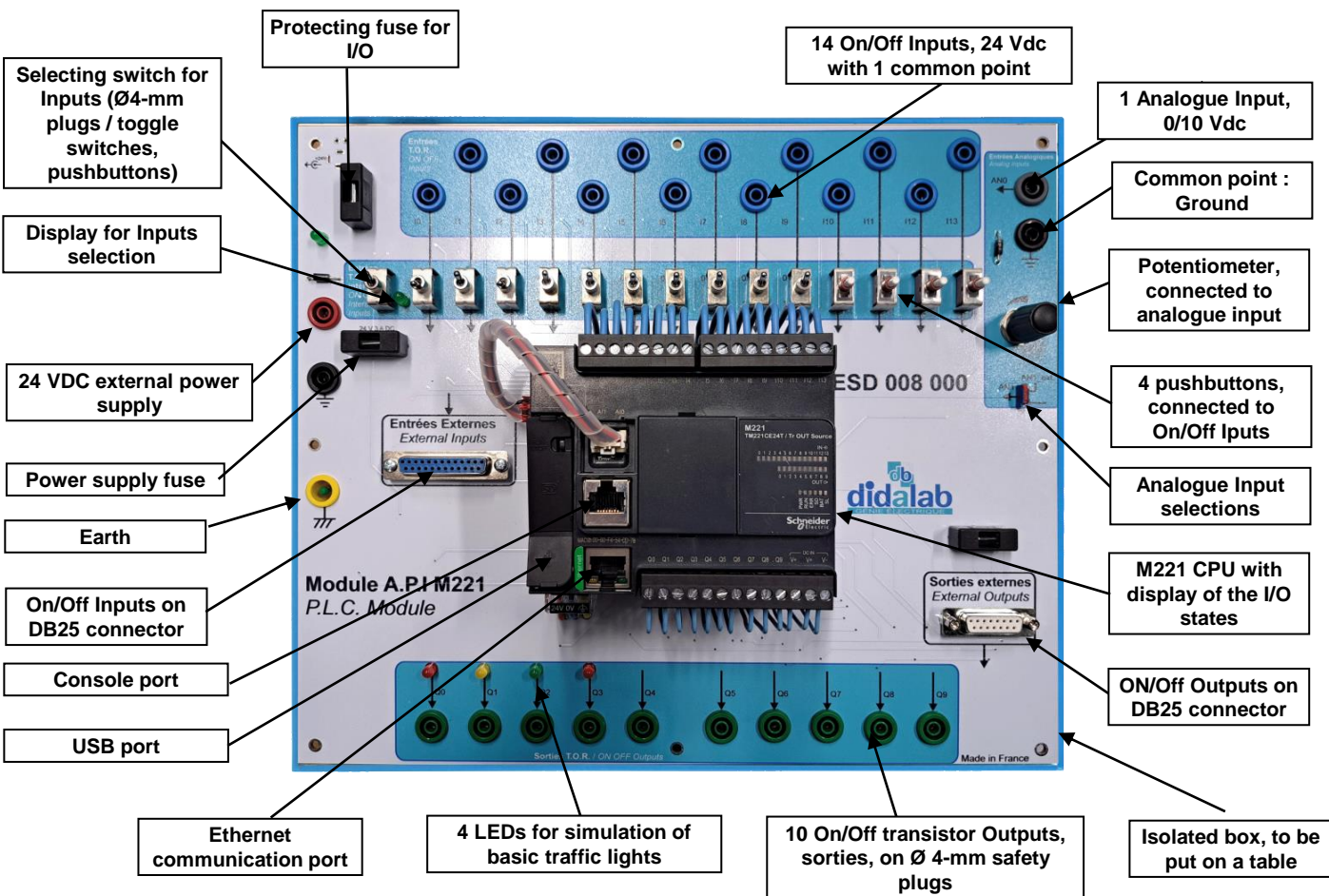
ESD008000, technical details :

It is especially fit to pedagogical purposes. The PLC is set in a PVC isolated box which can be put on a table. The connections to operating parts are done with Ø 4-mm safety cables.

The PLC used is a Schneider M221, with the following characteristics:

- Memory 50 Ko, speed counters,
- Cycle time: 1ms for 1000 instructions,
- ETHERNET port for programming.

A simulator of variables (10 toggle switches and 4 pushbuttons for the Inputs, colour LEDs for 4 Outputs) allows to use this equipment in an autonomous mode, basic traffic lights simulator, access control...)



Standard configurations

ESD008B : Basic package « Automatic control implementation with M221 PLC », including :		
Reference	Description	Qty
ESD008000	Schneider PLC, 14 On/Off Inputs and 10 On/Off Outputs, 2 A/D Input supplied with Machine Expert Basic software for PC, UTP cable.	1
ESD008040	Practical works manual, « application to ESD250C hoist »,	1
EGD000005	24 Vdc, 2.9 A Power supply	1