



Electron S.R.L.

Design
Production &
Trading of
Educational
Equipment

B38 – PNEUMATICS TRAINER



B38M - MODULAR PNEUMATICS TRAINER



Some panels of the trainer mounted on the optional frame

The Trainer includes a comprehensive set of typical components used in pneumatic control applications.

The components are mounted on modules that can be installed on a panel frame or a bench for teacher demonstration and student use.

General Common Characteristics

- Each module contains a single typical function specially suitable for training
- The selected functions minimize the number of components required
- All modules are designed for easy integration and full compatibility

- The modules are mounted and removed easily and without tools so that the student can concentrate on understanding the logic rather than on the mechanical assembling aspects
- The modules are in metal housings, with clear synoptic and quick connectors.

A table top vertical frame is optionally provided for easy placing of the modules. The frame can be placed vertically or tilted for the best visibility and operation

List of Modules

This set of Modules allows the execution of the experiments listed below.

Additional Modules can be provided as required and integrated even at a later time. The air compressor can be supplied locally or quoted on request.

Module Number B38	Description	Modules Q.ty
	AIR SUPPLY AND ACCESSORIES	
M01	FILTER-REGULATOR	1
M02	FLOW REGULATOR	2
M08	PANELS HOLDER and ACCESSORIES	1
	PNEUMATIC ACTUATORS	
M11	CYLINDER SIMPLE EFFECT	1
M12	CYLINDER DOUBLE EFFECT	2
	DISTRIBUTORS	
M21	PNEUMATIC VALVE.3/2 NC	1
M22M	PNEUMATIC VALVE 5/2 MONOSTABLE	1
M22B	PNEUMATIC VALVE 5/2 BISTABLE	2
M23	ROLLER VALVE 3/2 NC	4
M23A	ROLLER VALVE 3/2 NC ONE WAY	2
M24M	MANUAL VALVE 3/2 MONOSTABLE NC	2
M24B	MANUAL VALVE 3/2 BISTABLE	1
M25	MANUAL VALVE 5/2 MONOSTABLE	1
	PNEUMATIC LOGIC COMPONENTS	
M31	LOGIC AND	1
M32	LOGIC OR	1
M33	LOGIC NOT	1
M34	LOGIC YES	1
M35	TIMER 3/2 NC-NO	1

Experiments

1. Manual Pulsed Command
 2. Forward and Backward Manual Pulsed Command
 3. Automatic Single Cycle with Safety at Rest
 4. Cycle with Conditioned and Timed Return
 5. Cycle with Conditioned Return and Timed Return
 6. Sequence A-, B+, A+, B-
 7. Direct Pulsed and Stable Command
 8. Indirect Command
 9. Automatic Continuous Cycle
 10. Two Handed Safe Command
 11. Automatic Cycle with Emergency at End of Phase
 12. Timed Operation
 13. Not Circuit
 14. Yes Circuit
 15. Technique for the Elimination of Blocking Signals
- All the parts are robust, non-corrodible and easily replaceable.
The unit is supplied complete with manuals with a comprehensive circuit diagram, devices and assembly instructions.