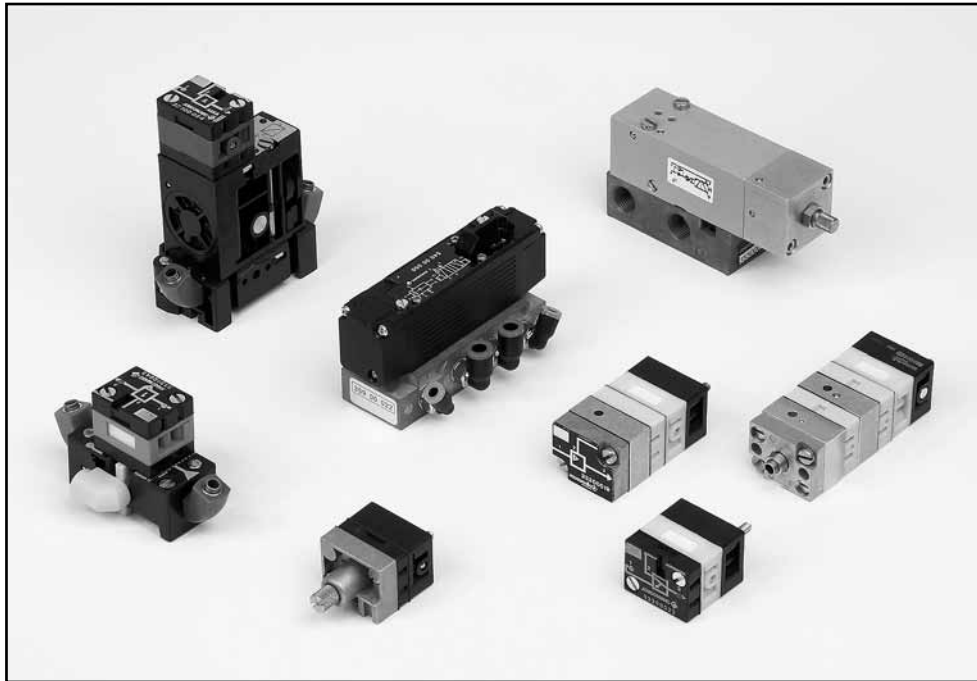


# PNEUMATIC AUTOMATION

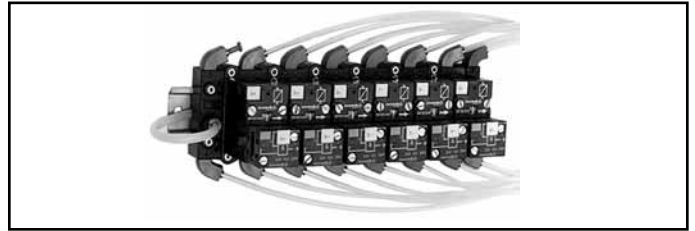
## Product index



product	illustration	series	page
sequencer - register and subbase		331	P810-1
logics : OR, AND, YES, NOT		331	P810-3
threshold relay		333	P810-4
memory relay		333	P810-4
timer relays pulse generators		333-346	P810-5
adjustable flow regulator		333	P810-5
leak sensor relay		333	P810-6
simple / sensitive amplifier relay		333	P810-6
subbases for logics, threshold relay and components with logic element interface		359	P810-7
subbases for memory relay / CNOMO time relay accessories		359	P810-8
sensitive sensors with ou without mechanical contacts		334	P810-9
		333	P830
two handed pneumatic safety start units and blocks		336	P840

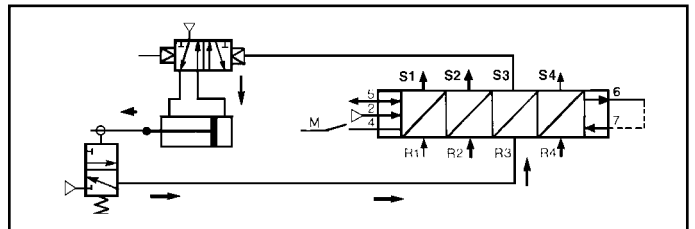
**ADVANTAGES OF PNEUMATIC LOGIC CONTROL SYSTEMS**

- Identical "supply" and "control" system power requirements
- Highly recommended for explosive, magnetic, or dusty ambient conditions
- Enhanced safety in damp or humid environments.



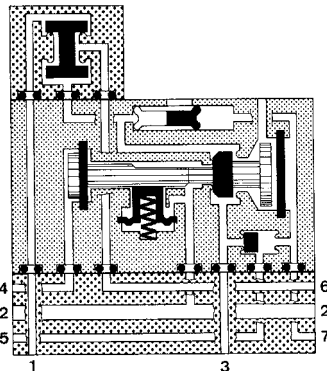
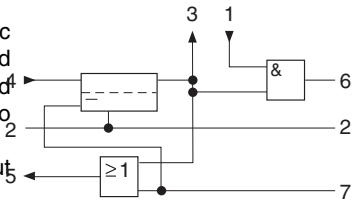
**PROGRAMME SEQUENCER MODULES**

The program sequencer is particularly suitable for solving automation control problems. It is truly the "brain", receiving information from the various sensors and then giving orders to ensure correct sequencing in a totally safe way. This modularity-engineered equipment accommodates a wide range of diverse phase modules in an integrated wiring scheme. Each phase of a cycle corresponds to a module of the program sequencer. The figure to the right shows how control device-machine dialogue is accomplished. In each phase, the program sequencer gives the order to execute the programmed movement and then in turn receives the end-of-phase control signal allowing transition to the next phase.



**• Program sequencer module with maintained reset**

Each module has three logic functions (Memory, AND, and OR), which may be configured into different combinations to perform specific operations. Memory is used to activate outputs and prioritize the reset signal. AND is used to move from one module to another. OR is used to reset previous modules.

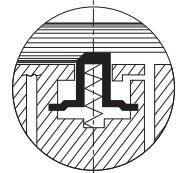


- 1 - Input signal
- 2 - Supply
- 3 - Output signal
- 4 - Start cycle signal
- 5 - In-cycle signal
- 6 - End-of-cycle signal
- 7 - Reset-to-zero signal

**• Shift register with reset-to-zero**

**Brake system**

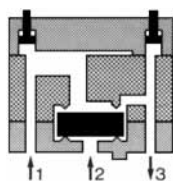
Maintains the memory spool in initial position in case of pressure failure.



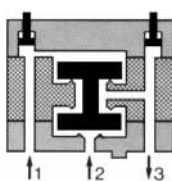
**LOGIC ELEMENTS AND RELAYS**

Program sequencer modules are completed by a homogeneous series of logic elements (providing four basic functions AND, OR, YES, and NOT), as well as other components (consisting of timer relays, amplifiers, single pulse generator, solenoid valves, etc.). All of these components have an identical interface and are installed on single or joinable subbases.

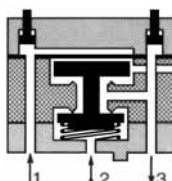
OR element



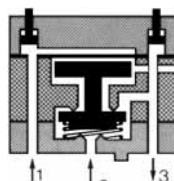
AND element



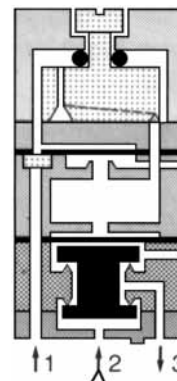
YES element



NOT element



Adjustable timer



Single pulse generator

