

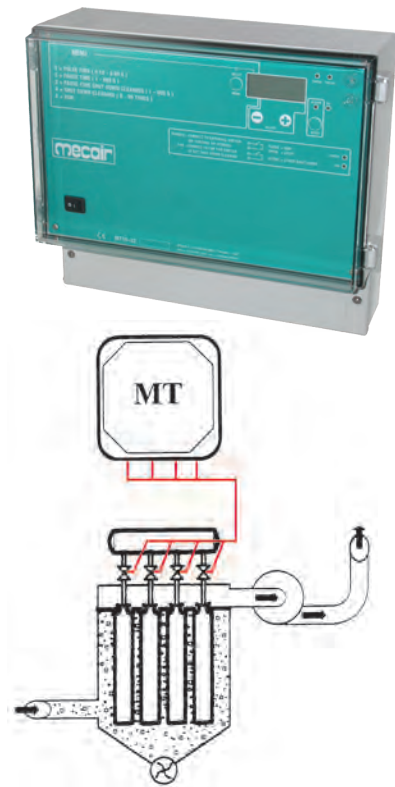


mecalr MT

# 48 OUTPUT SEQUENTIAL TIMER

# MECAIR 48 OUTPUT SEQUENTIAL TIMER

MT



## DESCRIPTION

The electronic microprocessor sequencer model "MT" uses advanced microprocessor technology, expressly designed to control the interval and pulse time of diaphragm valves, focusing on reverse pulse-jet systems with pneumatic cleaning procedures. All the technical characteristics satisfy the "CE" Directives which relate to the various protections relating to the terminal board, respecting the distances on the printed circuit boards, galvanic separation, etc. The product has therefore been tested by an authorised laboratory which has issued a certificate which authenticates and verifies that the Mecair product conforms with the following European Regulations: 89/336 EEC and 93/68 EEC. Upon request it is possible to supply the unit in accordance with the European Directive EC/94/9 ATEX, ATEX II 3D (zone 22).

The sequencer is available in the following versions:

**Small enclosure:** MT4 (4 outlets), MT8 (8 outlets) and MT12 (12 outlets);

**Large enclosure:** MT16 (16 outlets), MT20 (20 outlets), MT24 (24 outlets), MT28 (28 outlets) and MT32 (32 outlets).

The microprocessor sequencer contains a liquid-crystal visual display which indicates the interval and pulse

time, the number of cycles in the end-cycle cleaning and the number of pauses between each end-cycle cleaning. The unit automatically bypasses the loads not connected, allowing command of only the operative valves. There are two alarms: one for the short-circuit outlets, the other for microprocessor malfunction. The system can start up with a remote contact as well as by the switching off of the fan, to obtain the final cleaning cycle.

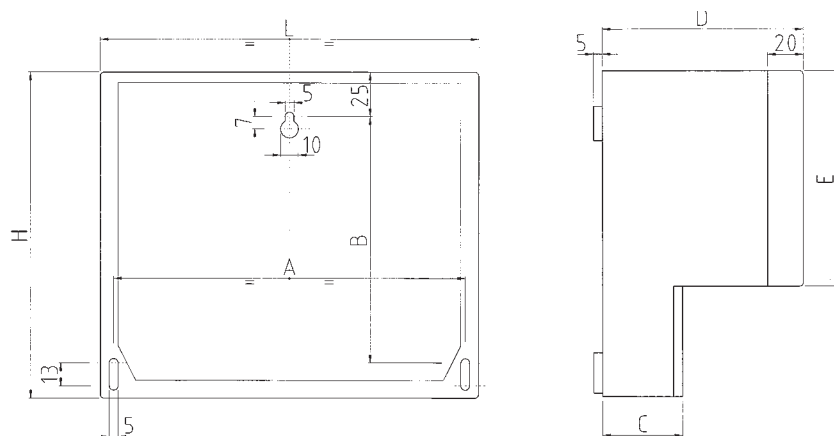
## MAIN FEATURES

- Timed sequential control of the electric valves with zero-crossing to eliminate electrical interference.
- Prearrangement for external automatic regulator of the differential pressure in the filter or contact from PLC (REMOTE command).
- Regulation of the pulse time and the pause time, with indication on the display.
- Short-circuit alarm and alarm for microprocessor malfunction.
- Easy selection of outlet voltage (AC/DC) and inlet voltage (AC).
- Setting number of end-cycle cleaning. The final cleaning can start up with a remote contact as well as by switching off the fan.

# MECAIR 48 OUTPUT SEQUENTIAL TIMER

MT

## DIMENSIONS (mm)



MODEL	L	H	A	B	C	D	E
MT 4-12	213	185	198	140	45	110	122
MT 16-32	296	256	280	210	50	118	193
MT 36-48	560	280	534	255	-	130	-

TECHNICAL CHARACTERISTICS		
Power supply	Standard: 115/230 V AC ( $\pm 10\%$ ), 50/60 Hz (2 ranges possible via the selection of plugs)	Optional: 24/DC (+5% - 0%)
Outlet	* Standard: 24/115/230 V AC - 50/60 Hz (3 ranges available via selection of plugs) IN - OUT 24 V AC	Optional: 48 V AC
Number of outlets	On request from 4 to 32 (the intermediate models are suitable in multiples of 4)	
Maximum outlet power	Input power: max. 2.5 VA	Outlet power: max. 25 VA - 20 Watt
Pulse time	0.01-9.99 sec	
Pause time	1-999 sec.	
Remote	Activated via external contact (normally open) free of power.	
End-cycle cleaning	Activated via contact (normally closed) of the remote control switch of the fan.	
Alarm relay	Watch Dog (electronic surveillance of the microprocessor) and short-circuit outlet.	
Connections	Push-in plug - max. section 2.5 mm <sup>2</sup>	
Grade of protection	IP65	
Temperature	Storage: -20°C/+80°C	Operating: -10°C/+50°C
Dimensions	MT 4-8-12 (small enclosure): 212 x 185 x 115 mm MT 16-20-24-28-32 (large enclosure): 296 x 256 x 118 mm	
Weight	MT 12: approx. 2 kg	MT 32: approx. 2.7 kg



CLEANAIRSYSTEMS.COM

© 2014 Pentair Clean Air Systems reserves the right to change product designs and specifications without notice.