PENTAIR

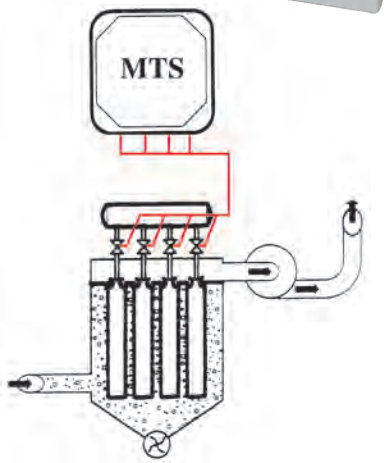
mecair MTS AND MTS PR1/4"

16 OUTPUT SEQUENTIAL TIMER

PENTAIR CLEAN AIR SYSTEMS

MECAIR 16 OUTPUT SEQUENTIAL TIMER

MTS



DESCRIPTION

The Model "**MTS**" sequencer has been designed to guarantee the control of diaphragm valves mounted on pulse-jet dust collector filters containing filter bags or cartridges.

All the technical characteristics comply with the CE Directive. The MTS conforms to the European norm (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 MTS sequencer is available in the following versions: MTS4, MTS8, MTS12, MTS16.

The MTS Sequencer allows you to set and visualise via the display:

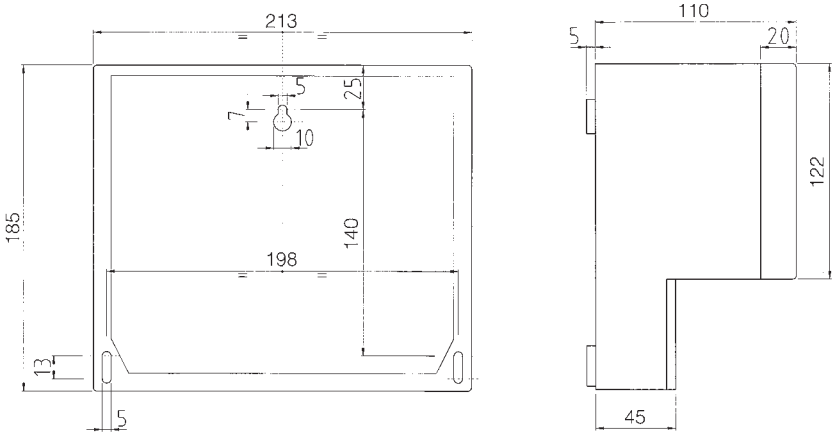
- Number of valves
- Pulse time
- Pause time
- Number of shut-down cleaning cycles

When in shut-down cleaning mode, the pause time is the same as that set in normal operation.

MAIN FEATURES

- Ability to regulate pulse time and pause time via a digital display
- Remote contact
- Shut-down cleaning with number of cycles easily set
- Selection of inlet and outlet voltages (AC/DC)

DIMENSIONS MTS 4 ÷ 16 (mm)



MECAIR 16 OUTPUT SEQUENTIAL TIMER

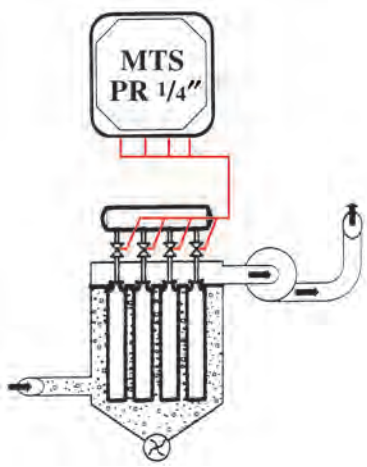
MTS

TECHNICAL CHARACTERISTICS		
Power inlet	Standard: 115/230 V AC (±10%), 50/60 Hz (Selectable via jumpers)	Optional: 24/48 V AC (±10%), 50/60 Hz
Number of outlets	Minimum 2 to Maximum 16 outlets	
Power absorption	Without outlet: 2.5 VA. Outlet: 25 VA – 20 W	
Pulse time	0.01–9.99 sec.	
Pause time	1–999 sec.	
Remote control	Activated via external contact (normally open) free of power.	
Shut-down cleaning	1–99 cycles. To be operated from the normally closed contact of fan remote control switch.	
Main fuse	500 mA delayed 115/230 V 2 A delayed 24/48 V	
Connections	Push-in terminal blocks – max. section 2.5 mm^2	
Protection rating	IP65	
Temperature	Storage: –20°C/+80°C Working temp: –10°C/+50°C, with duty cycle (intermittent) 30%	
Dimensions	MTS 4-8-12-16 out: Box 213 × 185 × 113 mm	
Weight	Approx. 2 kg (all models)	
Enclosure	ABS grey – transparent cover	

* NB: for voltages 115 V AC and 230 V AC the inlet and outlet voltage has to be the same.

MECAIR 16 OUTPUT SEQUENTIAL TIMER

MTS PR¼"



DESCRIPTION

The Model **MTS PR¼"-24/DC** sequencer is an integrated model which incorporates the remote pilot valves, model PR¼", which can be pneumatically connected to the diaphragm valves type "VEM" rather than with electrical connections. This version has been designed to guarantee the control of diaphragm valves mounted on pulse-jet dust collector filters containing filter bags or cartridges.

All the technical characteristics comply with the CE Directive. The MTS-PR¼" conforms to the European Directive (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 pilots are mounted within the enclosure, are pre-wired and have a ¼" Gas female thread to be used for the pneumatic connections between the remote pilot and the diaphragm valve.

The MTSPR¼" is available from a minimum of 2 pilot valves to a maximum of 16 pilot valves mounted within the enclosure.

MAIN FEATURES

- Remote pilot valves (brass) pre-wired in enclosure complete with electronic sequencer
- Ability to regulate pulse time and pause time via a digital display
- Remote contact
- Shut-down cleaning with number of cycles easily set
- Selection of inlet and outlet voltages (AC/DC)

GENERAL CHARACTERISTICS	
Fluid	Air dry and oil free
Air inlet	¼" Gas
Operating pressure	From 0.5 to 7.5 bar
Exhaust	⅛" Gas

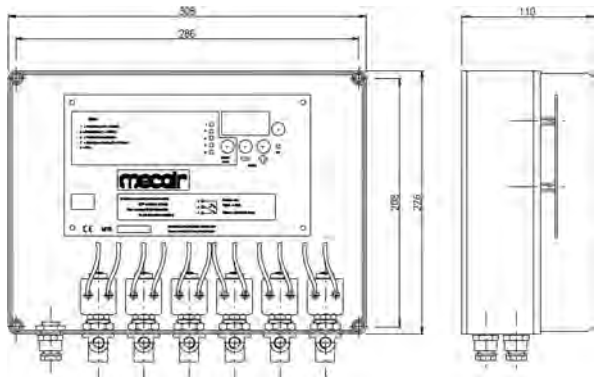
CONSTRUCTION CHARACTERISTICS	
Pilot body	Brass
Pilot	Brass
Locknut	Zinc plated
O-ring	NBR

MECAIR 16 OUTPUT SEQUENTIAL TIMER

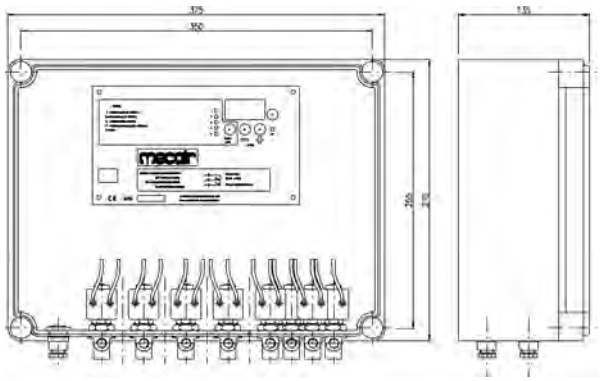
MTS PR¼"

DIMENSIONS

SEQUENCER MTS2 ÷ 4 - PR¼"



SEQUENCER MTS6 ÷ 12 - PR¼"



TECHNICAL CHARACTERISTICS		
Power inlet	Standard: 115/230 V AC (±10%), 50/60 Hz (Selectable via jumpers)	Optional: 24/48 V AC (±10%), 50/60 Hz
Number of outlets	Minimum 2 to maximum 16 outlets	
Power absorption	Without outlet: 2.5 VA. Outlet: 25 VA – 20 W	
Pulse time	0.01–9.99 sec.	
Pause time	1–999 sec.	
Remote control	Activated via external contact (normally open) free of power.	
Shut-down cleaning	1–99 cycles. To be operated from the normally closed contact of fan remote control switch.	
Main fuse	500 mA delayed 115/230 V	2 A delayed 24/48 V
Connections	Push-in terminal blocks section – max. 2.5 mm^2	
Protection rating	IP65	
Temperature	Storage: –20°C/+80°C	Working temp: –10°C/+50°C, with duty cycle (intermittent) 30%