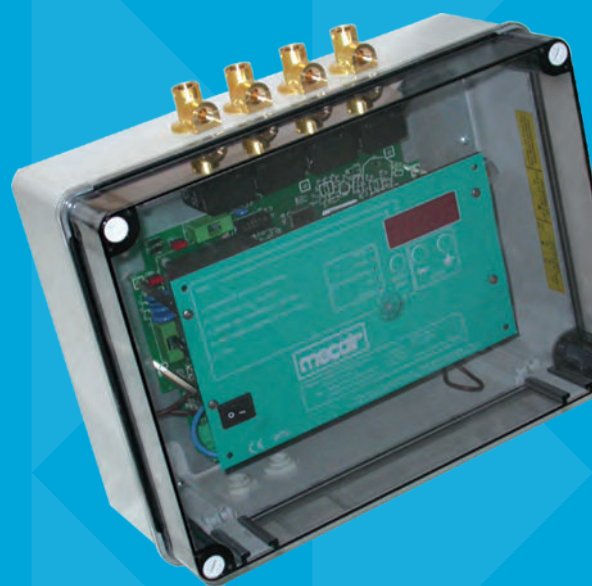


AVS



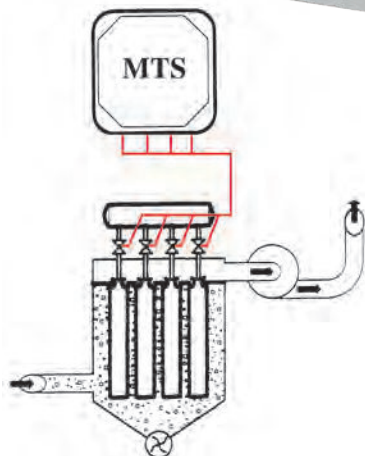
**mecair** MTS AND MTS PR $\frac{1}{4}$ "

# 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:

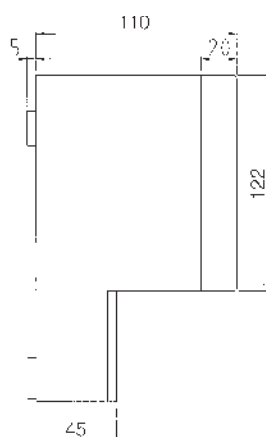
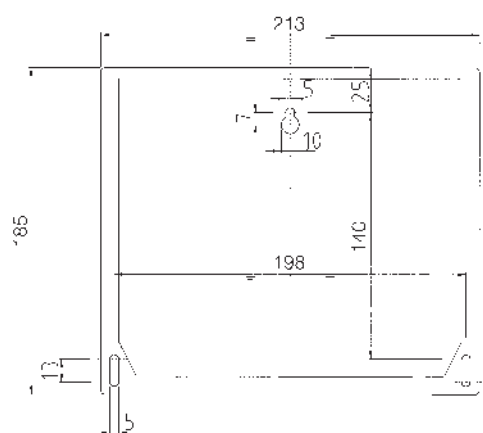
- Number of valves
- Pulse time
- Pause time
- Number of shut-down cleaning cycles

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

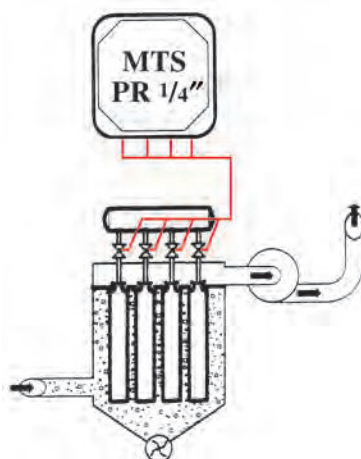
MTS

| TECHNICAL CHARACTERISTICS |  |  |
|---------------------------|--|--|
| Power inlet               | Standard:<br>115/230 V AC ( $\pm 10\%$ ), 50/60 Hz<br>(Selectable via jumpers)             | Optional:<br>24/48 V AC ( $\pm 10\%$ ), 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 <sup>2</sup>                                 |  |
| 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 PR 1/4"



## DESCRIPTION

The Model **MTS PR 1/4"-24/DC** sequencer is an integrated model pilot valves, model PR 1/4", 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-PR 1/4" 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 1/4" Gas female thread to be used for the pneumatic connections between the remote pilot and the diaphragm valve.

The MTS-PR 1/4" 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          | 1/4" Gas             |
| Operating pressure | From 0.5 to 7.5 bar  |
| Exhaust            | 1/8" Gas             |

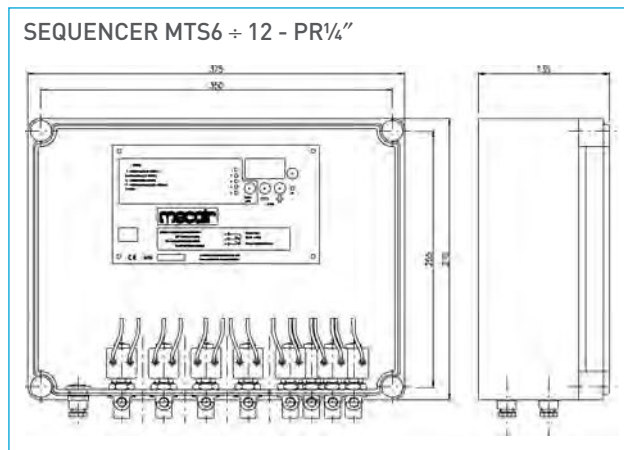
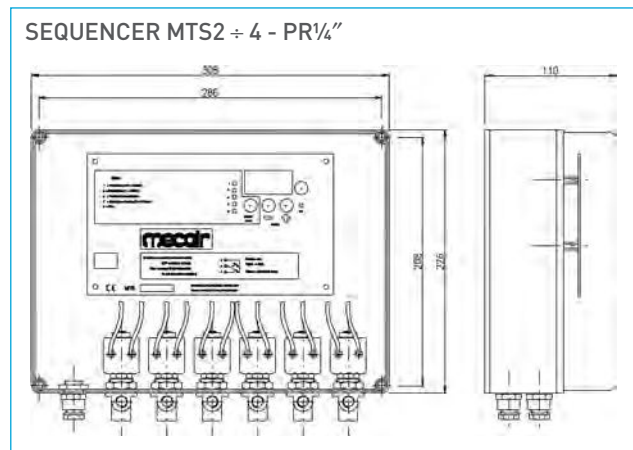
## CONSTRUCTION CHARACTERISTICS

|            |             |
|------------|-------------|
| Pilot body | Brass       |
| Pilot      | Brass       |
| Locknut    | Zinc plated |
| O-ring     | NBR         |

# MECAIR 16 OUTPUT SEQUENTIAL TIMER

MTS PR $\frac{1}{4}$ "

## DIMENSIONS



## TECHNICAL CHARACTERISTICS

|                    |  |  |
|--------------------|--|--|
| Power inlet        | Standard:<br>115/230 V AC ( $\pm 10\%$ ), 50/60 Hz<br>(Selectable via jumpers)             | Optional:<br>24/48 V AC ( $\pm 10\%$ ), 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 <sup>2</sup>                                 |  |
| Protection rating  | IP65   |  |
| Temperature        | Storage: –20°C/+80°C    Working temp: –10°C/+50°C, with duty cycle (intermittent) 30%      |  |



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