

TECHNICAL SPECIFICATION

Pulse Controller 10 Series

Product Description

Principle of Operation

Performance

Product Variation

Construction

Dimensional Details

PRODUCT DESCRIPTION



Electronic Controller for Clean Air Systems

The 10 Series Pulse Controller is one of the Goyen range of electronic sequencers. This has been developed exclusively to control the cleaning of dust collector filters and incorporates advanced microprocessor technology.

Typical Applications

Used to control the pulsing of diaphragm valves in reverse jet pulse cleaning systems.

PRINCIPLE OF OPERATION

Functionality

Adjustable Quantities:

- Pulse Time (0.01 - 9.99 sec in increments of 1ms)
- Pause Time (1 - 999 sec in increments of 1 sec)
- Number of Valves
- Shut Down Cleaning (0 - 99 cycles)
- "ON" LED
- Remote activation of the controller

Inputs and Outputs

Voltages Available	Inlet	Outlet
	230 V ($\pm 20\%$) - 50/60 Hz	230 V - 50/60 Hz
	230 V ($\pm 20\%$) - 50/60 Hz	24 V - 50/60 Hz
	230 V ($\pm 20\%$) - 50/60 Hz	24 V DC
	115 V ($\pm 20\%$) - 50/60 Hz	115 V - 50/60 Hz
	115 V ($\pm 20\%$) - 50/60 Hz	115 V DC
	115 V ($\pm 20\%$) - 50/60 Hz	24 V 50/60 Hz
	115 V ($\pm 20\%$) - 50/60 Hz	24 V DC
	24 V ($\pm 10\%$) - 50/60 Hz	24 V - 50/60 Hz
	24 V ($\pm 10\%$) - 50/60 Hz	24 V DC

Outputs:

- Outlet Power max
 - 45VA - 30 Watt with maximum pulse time 1 sec.
 - 20 VA - 15 Watt with maximum pulse time above 1 sec.
- Number of outputs
 - 4
 - 8
 - 12
 - 16
- Remote contacts
- Fan contacts.

PERFORMANCE

Temperature Rating

Storage: -20oC / +80oC

Working: -10oC / +50oC

Unit Weight

Approx 2 kg

PRODUCT VARIATIONS

Voltages and Solenoids

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	24 V ($\pm 10\%$) - 50/60 Hz	24 V DC

CONSTRUCTION

Enclosure

Grey ABS with transparent cover (IP65 rated)

DIMENSIONAL DETAILS

Envelope Size

213mm x 185mm x 113mm

Electrical Connections

Max wire section 2.5mm²

Mounting Details

- Mount in environments of -10oC to + 50oC
- Do not directly expose to sunlight
- Do not mount directly to hot surfaces
- Protect from infiltrations of water and humidity
- Do not install on vibrating surfaces
- All the electrical connections including the wiring associated with the valves should not be in close proximity to wiring for other applications (for example from motor cables)