



IntelliPULSE™ Timer

Model IP 100



Benefits

- Lower Energy Use by 15-90%
- Control Differential Pressure
- Optimize Filter Cake
- Control Air Flow
- Extend Filter Life up to 50%

Applications

- Single & Multi Compartment Baghouses
- Cartridge Filters up to 64 Rows

Made in USA

Intelligent Pulse-Jet Timer for Fabric Filters

IntelliPULSE™ timers for baghouses and cartridge dust collectors provide energy savings and improved process control. A wide range of Fieldbus, PLC and OEM control panel connectivity is provided in a rugged, modular DIN rail package.

IntelliPULSE is the only field proven control algorithm that automatically adjusts the off-time between pulses and pulse duration to maintain constant pressure drop across the filters and thus constant airflow while using the least amount of compressed air to minimize energy costs. Reduce compressed air use by 15-40% over traditional pulse cleaning and up to 90% over continuous cleaning. IntelliPULSE extends filter life and can lower emissions by controlling the filter cake.

For advanced IntelliPULSE timing features such as Indexing or for instant baghouse diagnostics such as instant filter leak locating, instant pulse valve diagnostics and master control of multicompartment baghouses refer to B-PAC™ Controls.

Features

- Modular DIN rail design with field bus connectivity
- Intelligent pressure control via single set point
- DSP controlled continuous short circuit protection
- Easily programmable pattern & sequence pulsing
- Adjustable On/Off pulse time limits within automatic pulsing
- Automatic or preset multi row pulsing
- Full range of traditional timing modes (Continuous, single cycle, cycle down etc)

Specifications

Electronics

Architecture:	Robust modular DIN rail, CAN Open bus with 32 bit DSP
Power Supply:	97-132VAC 50/60Hz, 10VA max, no loads 195 - 264VAC 50/60Hz, 10VA max, no loads 20-28VDC, 10Watts max, no loads
Solenoid Outputs:	8-64 outputs (8 channel snap-in modules, status LEDs, front mounted fuse) Solid state intelligent triac with protective snubber circuit (Refer to B-PAC™ Controls for over 64 rows)
Timing:	0.01 - 2.0 sec On time, 3.0 - 600.0 sec Off time Ontime synchronized to AC line
User Interface:	2.7" 128x64 pixel OLED graphic, 32 bit ARM, membrane keypad
Temperature:	-40F (-40C) to +160F (+70C) operating
Inputs/Outputs (Std):	(2) Alarm output 5A 240VAC resistive (2) Alarm input 120VAC 50/60Hz, 5.4mA
Additional I/O (Opt):	(1) 4 Channel discrete mode/function control module, 120VAC (1) Isolated 4-20mA output
Field Bus (Opt):	Ethernet IP, Modbus TCP, Modbus RTU, Devicenet, Profibus, Can Open
Pressure Sensor:	Modular internal 0-10"WC tube style (Std) External 0-10"WC Non-Clogging (Opt) Ranges other than 0-10"WC available
Area Classification:	Ordinary locations (pending) Hazardous areas (pending)
General:	Circuit boards conformal coated for protection against dust, moisture & corrosives

