

E2 - ECONOMIST SEQUENTIAL TIMER

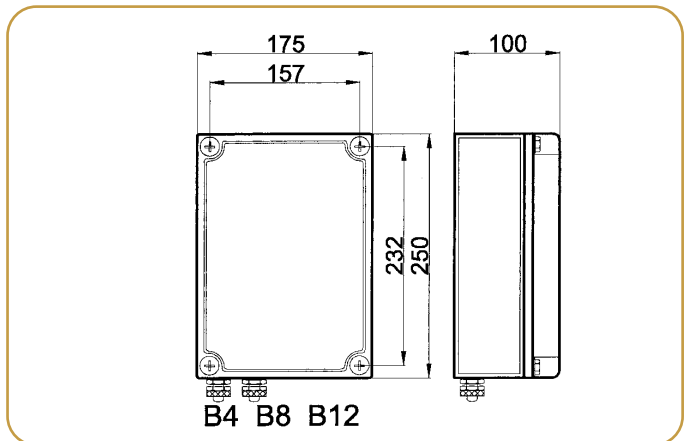


IT4 - IT8 - IT12 SERIES

The Economist sequential timer incorporates the technical features of the T series with the addition of an internal differential pressure monitor, which allows the timer to operate according to the pressure drop through the filter.



TECHNICAL DATA	
Power supply	110V - 230V / 50-60 Hz
Power consumption	5 VA in stand by - 30 VA pulse
Output voltages	110V - 230V - 24V / 50-60 Hz - 24VDC
Temperature range	-10 ± +50° C
Visual indicators	5 displays
Setting	keyboard
Protection degree	IP65
dP control	internal dP sensor
Terminals	2,5 mmq 250 VAC
Weight	Kg 1,2



HOW TO ORDER

EXAMPLE:

IT8 **11050** ECONOMIST WITH 8 OUTPUTS
 OUTPUT POWER 110V - 50/60Hz

IT4 - IT8 - IT12 OUTPUTS

24V 50Hz = 02450
 110V 50Hz = 11050
 220V 50Hz = 22050
 24V DC = 024DC

OUTPUT POWER SUPPLY

STANDARD POWER SUPPLY:
 115V/230V - 50/60 Hz

STANDARD OUTPUT POWER:
 24-115-230V/AC; 24DC



DESCRIPTION OF OPERATIONS

- **MANUAL MODE** The controller acts as a sequential timer switching the solenoid valves with selected ON and OFF time.
- **AUTOMATIC MODE** The timer controls the sequential cleaning operation only on demand, when the (dP) differential pressure reaches the preset high set-point.

DIGITAL DISPLAY SETTING CODE	
1	Operating Mode AUTO '0' / MAN '1'
2	Pulse time 2 – 500 msec.
3	Pulse time 1- 250 sec.
4	dP Stop cleaning set-point
5	dP Start cleaning set-point
6	dP max alarm
7	number of outputs selection
8	End cycle cleanings (0 - 99)
9	Manual control of pulse valves
10	Zero dP adjustment
11	Free
12	max. dP delay alarm
13	Counter (0 - 999 hours)
14	Counter (0 - 999 hours)

Push "B/D" on the keyboard to change setting codes on the right side of the display.
 Push "+ / -" on the keyboard to change parameters on the left side of the display.
 By pushing "E" for 3 sec. the Economist starts the cycle cleaning.

- Max dP alarm

The max dP alarm is activated when exceeding the level setted with code 5.
 Reset the alarm by pushing 'E'.
 The alarm can be delayed till 30 sec. with code 12.

- After cleaning cycle

This feature allows the timer to continue to operate for a programmed number of complete cycles (code 8) after the dust collector fan is turned off, avoiding the dust to remain onto the filter media (bags or cartridges) for a long time.

- Manual control of pulse valves

Code 9 allows to manually energize each solenoid valve, checking the electrical connections and the proper operation of the valve.

- Other available options

Power supply detector relay
 Remote ON/OFF control
 4-20 mA transmitter.

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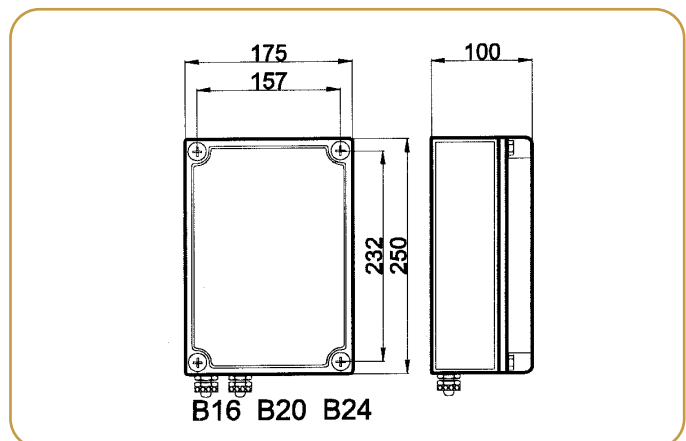


IT16 - IT20 - IT24 SERIES

The Economist sequential timer incorporates the technical features of the T series with the addition of an internal differential pressure monitor, which allows the timer to operate according to the pressure drop through the filter.



TECHNICAL DATA	
Power supply	110V - 230V / 50-60 Hz
Power consumption	5 VA in stand by - 30 VA pulse
Output voltages	110V - 230V - 24V / 50-60 Hz - 24VDC
Temperature range	-10 ± +50° C
Visual indicators	5 displays
Setting	keyboard
Protection degree	IP65
dP control	internal dP sensor
Terminals	2,5 mmq 250 VAC
Weight	Kg 1,2



HOW TO ORDER

EXAMPLE: IT20/ 11050 ECONOMIST WITH 20 OUTPUTS
OUTPUT POWER 110V - 50/60H

IT16 - IT20 - IT24
OUTPUTS

24V 50Hz = 02450
110V 50Hz = 11050
220V 50Hz = 22050
24V DC = 024DC

OUTPUT POWER SUPPLY

STANDARD POWER SUPPLY:
115V/230V - 50/60 Hz

STANDARD OUTPUT POWER:
24-115-230V/AC; 24DC



FUNCTION

- **MANUAL MODE** The controller acts as a sequential timer switching the solenoid valves with selected ON and OFF time.
- **AUTOMATIC MODE** The timer controls the sequential cleaning operation only on demand, when the (dP) differential pressure reaches the preset high set-point.

DIGITAL DISPLAY SETTING CODE	
1	Operating Mode AUTO '0' / MAN '1'
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4	dP Stop cleaning set-point
5	dP Start cleaning set-point
6	dP max alarm
7	number of outputs selection
8	End cycle cleanings (0 - 99)
9	Manual control of pulse valves
10	Zero dP adjustment
11	Free
12	max. dP delay alarm
13	Counter (0 - 999 hours)
14	Counter (0 - 999 hours)

Push "B/D" on the keyboard to change setting codes on the right side of the display.
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 By pushing "E" for 3 sec. the Economist starts the cycle cleaning.

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This feature allows the timer to continue to operate for a programmed number of complete cycles (code 8) after the dust collector fan is turned off, avoiding the dust to remain onto the filter media (bags or cartridges) for a long time.

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