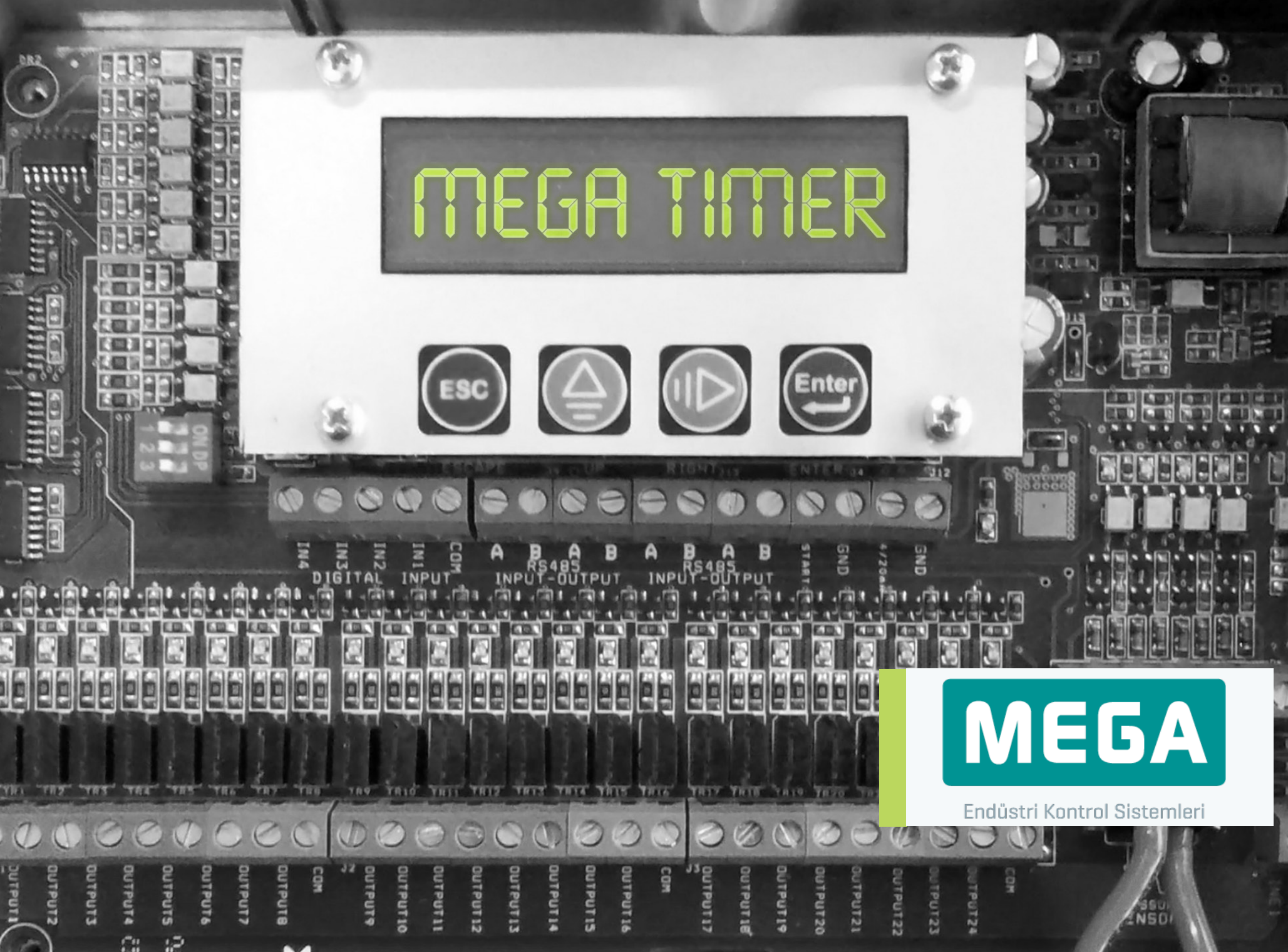

MEGA TIMER
ESC
Enter
DIGITAL INPUT
RS485 INPUT-OUTPUT
RS485 INPUT-OUTPUT
MEGA
Endüstri Kontrol Sistemleri

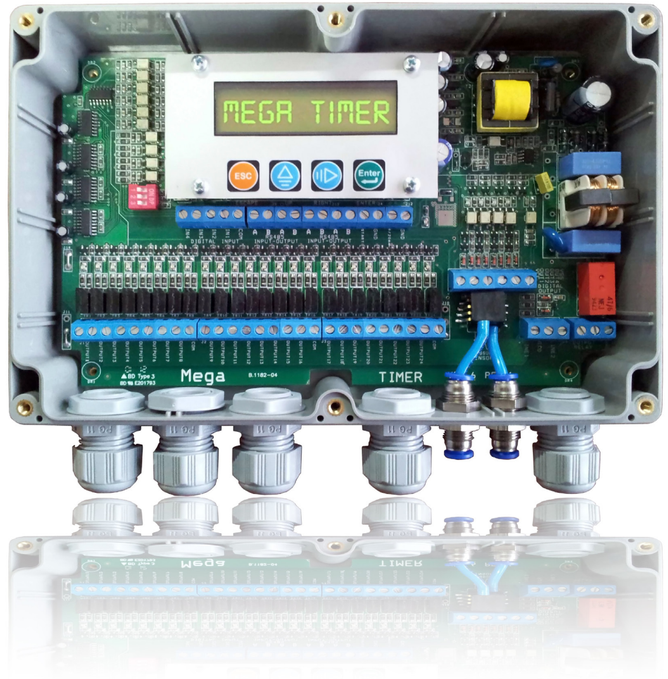

MEGA TIMER
ESC
Enter
Mega
TIMER

Table of Contents

Technical Characteristics

Technical Characteristics

		AC	DC
Power Supply	Input Voltage	100 – 220 VAC ± %10	24 VDC ± %5
	Input Current	125 mA AC max.	1.5 A DC max.
	Frequency	47 - 65 Hz	
		AC	**DC**
Solenoid	Applied Voltage	220 VAC	24 VDC
	Current (Max.)	0.5 A AC	1.5 A DC
	Max. switchable power/channel	100 W	25W
	Triggering	Synchronous to the main.	
Isolated Input		See Timing diagram at “INPUT” Active and Passive mode.	
System Ready / Fault Relay		If the diffential pressure is less then “Presure Fault Max” (programmed on the menu) relay is switched on, else output relay is switched off.	
Communication	Serial Communication	RS485 – Half Dublex	
	Communication Speed	38400 Baud	
Difference Pressure	Measurable Maximum Difference Pressure	+0.15 milibar, -0.15 milibar	
	Resolution	150 e-6 milibar	
4-20 mA Output	4-20 mA	4mA → 0mb, 20mA → 100mb	

Parameters

Parameters

		Factory Settings	Minimum Value	Maximum Value
Triggering Time	Time between two consecutive	8 s	1s	300 s
Pulse Duration	Pulse duration applied to each valve	100 ms	10 ms	1800 ms
Standby Time	Standby time between last triggered valve and first triggered valve	60 s	1 s	1800 s
Maximum Pressure		87 mbar	0.1 mbar	87 mbar
Minimum Pressure		15 mbar	0.0 mbar	87 mbar
Start Valve	First triggered valve	1	1	32
Ending Valve	Last triggered valve before standby time	32	1	32
Additional Post Cleaning Cycling Mode	Additional cleaning cycle after the fan stops or when the pressure is below the the cycle pressure value	Pasif		
Number Of Post Cleaning Cycle		20	1	255
Pressure Value	Pressure value for entering in the post cleaning cycle	2 mbar	1 mbar	87.00 mbar
Input	Passive: Cleaning cycle is activated by the pressure value Active: Cleaning cycle is activated by the input	Passive		
Max. Failure Pressure Treshold	Maximum pressure value to trigger the fault relay	87 mbar	0.1 mbar	99.99 mbar

User Interface

User Interface

Display

For the first run of the device the calibration screen will appear.

Press “Up” for automatic calibration.

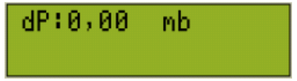
Ps: The system should be non-pressurized while connected to the device during calibration.

The next screen will be monitoring screen.

This screen;

In the first row DP value will be displayed in millibars.

Ps: This is only valid for the pressure sensor devices.



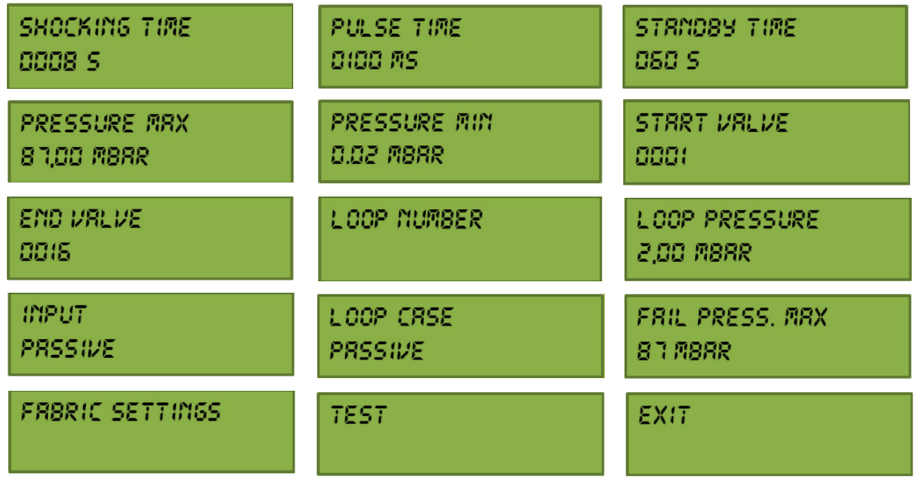
In the second row, there will be valve number and time between each shock in seconds.

Menu

Press ENTER to enter programming menu.

First parameter with set value will be displayed.

Submenu

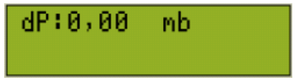


Editing Parameters

In the first row the parameter name and in the second row current value is displayed.

To change the parameter value, press “ENTER” button.

The first digit of the parameter value in the second line will be underlined when entering the sub-menu. The numbers which is underlined can be changed between 0 and 9 by pressing ↑ “UP” button. The underlined number can be changed by pressing → “RIGHT” button.
Press “ENTER” after parameter values are set.
Press “ESCAPE” for exit without changing any parameter.



Test

Pressing “ENTER” button while in the Test Mode.

“Test Starting” message will appear on the display. It will energize each valve from the first valve to last valve by pulse time. Outputs can be tested this way.

Exit

To return to the viewing screen;
Select “EXIT” and press “ENTER” button.

Factory Settings

To reset settings;
Select “RETURN FACTORY SETTINGS” and press “ENTER” button.

Monitor Display

Monitoring screen will be displayed by pressing “ESCAPE”
If the parameters are changed, the new parameter values will be saved and monitoring screen will be displayed.

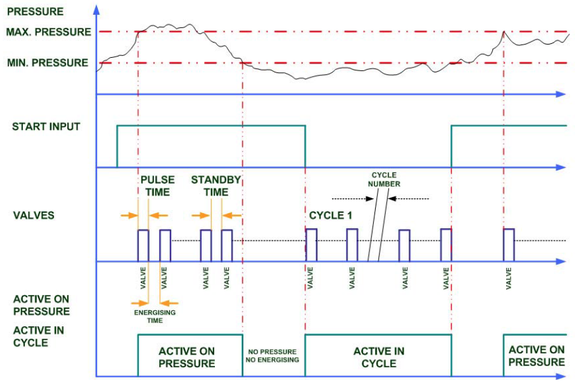
Eeprom Fault

“EEPROM FAILURE” will displayed on screen if EEPROM can’t be read.
This failure will be fixed by the device.

Work Trends When Input Active And Passive

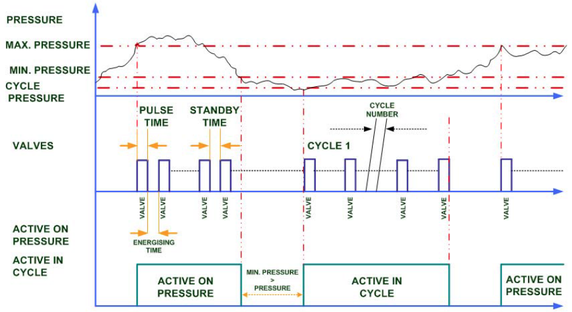
INPUT = ACTIVE

Input = if Active, entering cycle starts when the start input is open.



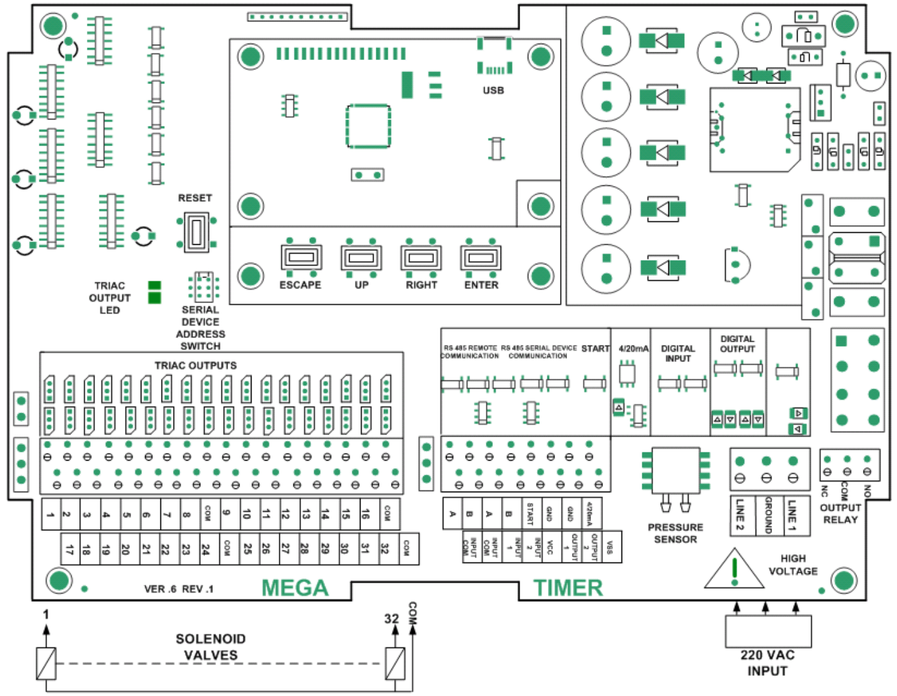
INPUT = PASSIVE

Input = if Passive, cycle starts when the “Start” input is passive and measured pressure is smaller than the set pressure.



Note: Cycle input case causes the difference between two states.

Installation



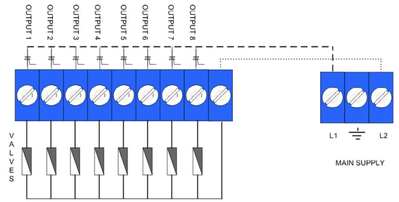
Wiring Diagram

Power Supply is located at the right of the picture and supplied from the AC input.

Phase and neutral connection is made from LINE1 and LINE2. Also grounding input must be connected.

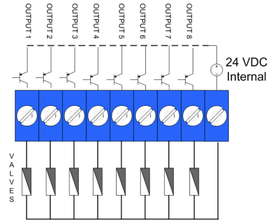
Application example for AC type 8 valve

AC valve get supply from L1 supply which cames from network as in the picture. L2 connected to 9th terminal. Two other groups are wired the same way.



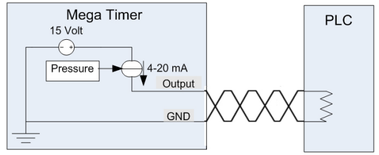
Application example for 24 VDC type 8 valve

DC valve get supply from isolated power supply which is located on the card. Ground terminal is connected to 9th terminal.



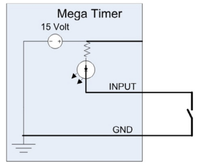
4 - 20 Output Connection

4-20mA connected as in the picture. Supplied by 15 Volts which is generated in device.



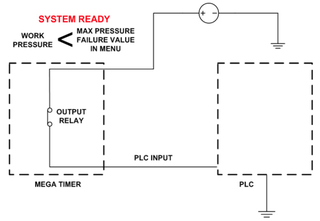
Start Input

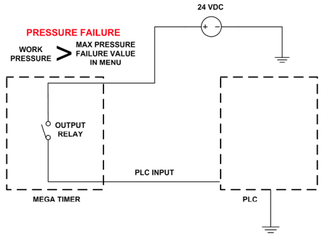
Connected as dry contact between INPUT and GND as in the picture.



System Ready Relay Connection Example

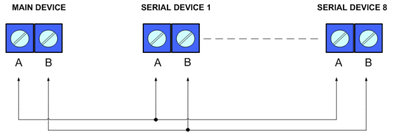
For ready or error signals, relay contacts become opened or closed position when system get energized.





RS 485 Connection

Communication unit between Main Device and Serial device which have more than 32 outputs.



Product Selection

M 808 EG -- A - DP → **XXX A XXX D M**

Valve Output
08 : 8 output
24 : 24

Differential Pressure
DP : With DP
-- : Without Dp

Communication Type M : Modbus
- : Without Comm.

Output Current Type
A : AC
D : DC

Output Voltage
220 : 220V
024 : 24V

Input Voltage Type
A : AC
D : DC

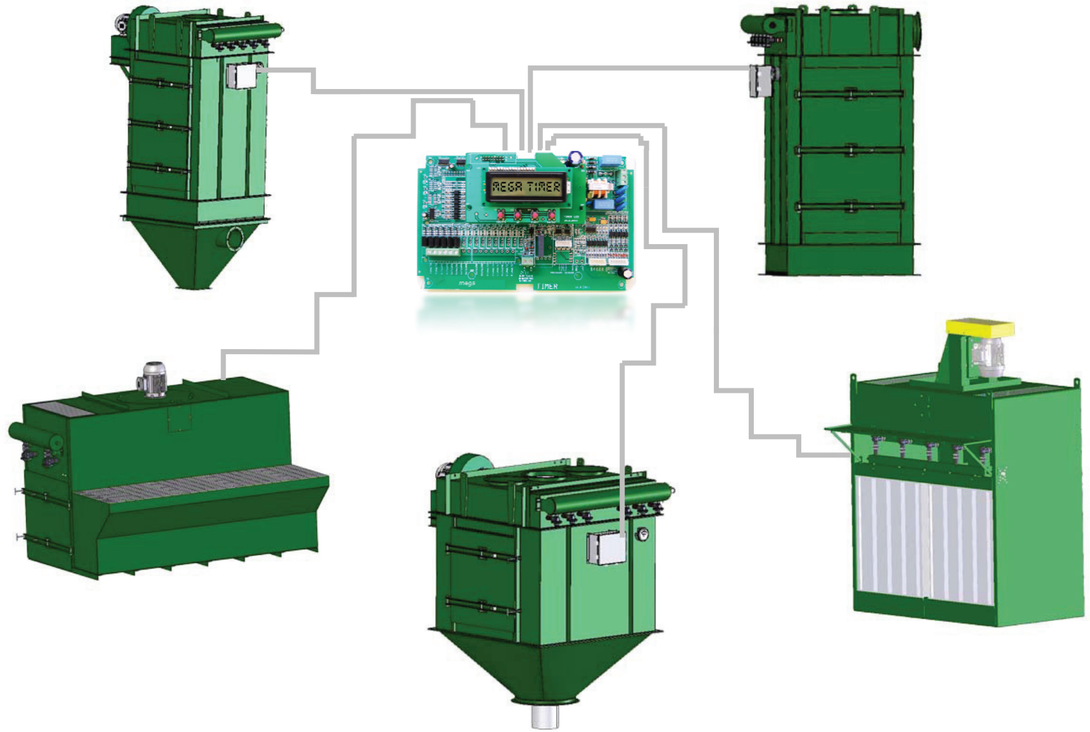
Input Voltage
220 : 220V
024 : 24V

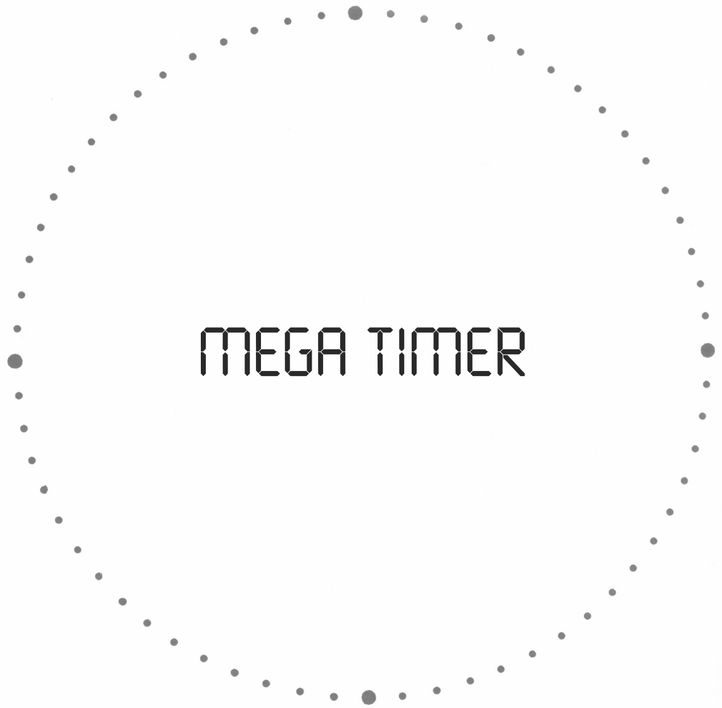
*Output Numbers:

4, 8, 12, 16, 20 and 24.

Sample Order Code : M 808 EG 16 A DP 220 A 024 D M

16 Output,
DP Differential Pressure,
220 V**AC** Input Voltage
24 V**DC** Output Voltage
M Modbus™ Comm. Protocol.




MEGA TIMER

MEGA

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