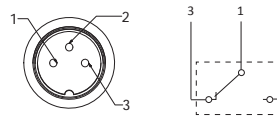
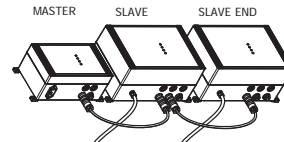


Alarm output on a relay



Synchronization of signals



Efficiency and reliability

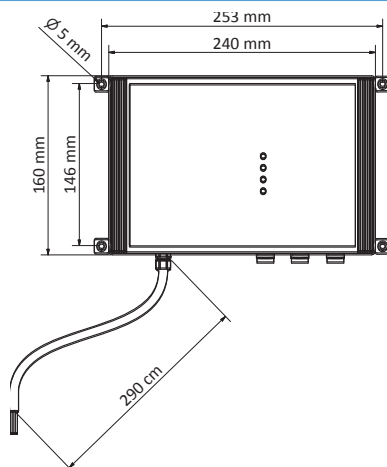
Aqua-4D® water treatment systems have been proving their efficiency for more than 10 years. The 5th generation (Aqua-4D® Serie E) improves the reliability of the systems and the efficiency of the treatment.

Modular

Thanks to the modular concept, Aqua-4D® systems adapt themselves to all type of installations. Treatment of big flows is not an issue anymore.

Respecting environment

Aqua-4D® Série E is a patented technology of electromagnetic water treatment. The treatment is ecological as it does not use any chemical product and does not change the chemical composition of the water.



- Can control from 1 to 6 Tubes 360E
- Flow rate up to 2160 l/min (129.6 m³/h)
- Alarm output on a relay
- Synchronization of EM signals between several electronic devices (up to 32)

Mechanical construction

Dimensions without support feet	L x w x d: 240 x 180 x 120 mm
Dimensions including support feet	L x w x d: 260 x 180 x 125 mm
Weight	2.3 kg
Control unit material	ABS PC
Front material	polycarbonate
Power cord	2.9 meters, output on cable gland
Tube connectors	Binder Series 423, 5 poles, female
Relay connector	Binder Series 423, 3 poles, male
Synchronization Connector	Binder Series 423, 4 poles, male

Power supply

Voltage	200 ... 240 V AC, 47 ... 63 Hz
Power consumption	max. 50 VA

Tube power supply

Max. current	2 A
Max. voltage	20 V RMS

Alarm output

Contacts without potential	
Max. permitted current	3 A
Max. permitted voltage	230 V AC

Synchronization output

Max. current	25 mA
Nominal voltage	7 ... 12 V DC

Ambient conditions

Protection	IP 65
Ambient temperature	0 ... 40 [°C]
Storage temperature	-25 ... 65 [°C]
Electromagnetic compatibility	Emissivity and immunity in acc. with IEC 61000-6-1 and IEC 61000-6-3
Protection from overvoltage	in accordance with IEC 61000-4-5
Relative humidity	0 ... 95 %, without condensation

Programming

Firmware update	(only by certified distributors)
Setting EM signals	(only by certified distributors)

Associated modules and accessories

Tube 360E

Art. n° 82110



Tube for the Command 360E Pro. Assembled directly onto the pipes, the Tube 360E is used to transmit electromagnetic signals (EM) into the water using its 2 solenoids. Maximum flow rate: 360 L/min (21.6 m3/h).

Y connection Serie 360E

Art. n° 83020



The Y connection is used to connect 2 Tubes to an output of the Command 360E Pro. When the max. flow rate of the installation is between 1080 and 1440 L/min (64.8 and 86.4 m3/h), one Y connection is needed to connect the fourth Tube 360E. When the max. flow rate of the installation is between 1440 and 1800 L/min (86.4 and 108 m3/h), two Y connections are needed to connect the fourth and fifth Tube 360E.

Assembly kit for a DIN rail

Art. n° 83510



Fixation items for DIN rail. Allows the Command 360E Pro to be easily fixed to a DIN rail.

Extensions for Tubes 360E

Art. n° 83210 (5m length)
Art. n° 83211 (10m length)
Art. n° 83212 (15m length)



When the Command 360E Pro are placed at two metres from the Tubes 360E, an extension is needed. Length > 15m sur made to measure (maximum 50m)







Synchronisation wire

Art. n° 83400



Wire needed for the synchronisation of several Command 60E Pro and / or Command 360E Pro to one another.
- Standard length: 3m
- Other lengths made to measure. (maximum 200m)

Applications

	Command 360E Pro	Command 60E	Command 60E Pro
Villas 	YES ✓	YES ✓	YES ✓
Buildings 	YES ✓	YES* ✓	YES* ✓
Irrigation 	YES ✓	YES* ✓	YES* ✓
Industry 	YES ✓	NO ✗	YES* ✓
Animals and biofilm 	YES ✓	NO ✗	YES ✓
Public water supply 	YES ✓	NO ✗	NO ✗

* Only for small flow rates

Standard packages

Flow rates up to	Package	Description
360 L/min or 21,6 m3/h	Aqua-4D® 360E Pro	1 Command 360E Pro + 1 Tube 360E
720 L/min or 43.2 m3/h	Aqua-4D® 720E Pro	1 Command 360E Pro + 2 Tubes 360E
1080 L/min or 64.8 m3/h	Aqua-4D® 1080E Pro	1 Command 360E Pro + 3 Tubes 360E
1440 L/min or 86.4 m3/h	Aqua-4D® 1440E Pro	1 Command 360E Pro + 4 Tubes 360E + 1 Y360E
1800 L/min or 108 m3/h	Aqua-4D® 1800E Pro	1 Command 360E Pro + 5 Tubes 360E + 2 Y360E
2160 L/min or 129.6 m3/h	Aqua-4D® 2160E Pro	1 Command 360E Pro + 6 Tubes 360E + 3 Y360E

Exemple of installation

... for a building with hot water circulation circuit

- 1x Command 60E Pro
- 4x Tube 60E
- 1x 3m synchronisation wire
- 1x Command 360E Pro
- 2x Tube 360E
- 2x Y connection Serie 360E

