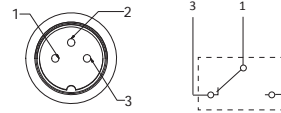
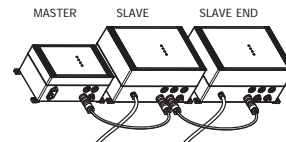


Alarm output on a relay



Synchronization of signals



Efficiency and reliability

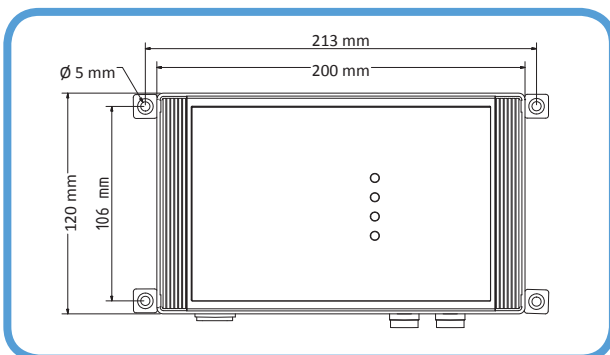
Aqua-4D® water treatment systems have been proving their efficiency for more than 10 years. The 5th generation (Aqua-4D® Serie E) improves the reliability of the systems and the efficiency of the treatment.

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 4 Tubes 60E
- Flow rate from 0 to 240l/min (14.4 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 : 200 x 130 x 90 mm
Dimensions including support feet	L x w x d : 226 x 130 x 95 mm
Weight	1.3 kg
Control unit material	ABS PC
Front material	polycarbonate
Tube connectors	Binder Series 423, 4 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 40
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 60E

Art. n° 82010



Tube for Command 60E and Command 60E Pro.
Assembled directly onto the pipes, the Tube 60E is used to transmit electromagnetic signals into the water using its 2 solenoids.

Y connections Serie 60E

Art. n° 83010



The Y connection is used to connect 2 Tubes to an output of the Command 60E or Command 60E Pro.
When the maximum flow rate of the installation is between 120 and 180 l/min (7.2 and 10.8 m³/h), one Y connection is needed to connect the third Tube 60E.
When the maximum flow rate of the installation is between 180 and 240 l/min (10.8 and 14.4 m³/h), two Y connections are needed to connect the third and fourth Tube 60E..

Assembly kit for a DIN rail

Art. n° 83500



Fixation items for DIN rail.
Allows the Command 60E or Command 60E Pro to be easily fixed to a DIN rail.

Extensions for Tubes 60E

Art. n° 83200 (5m length)
Art. n° 83201 (10m length)
Art. n° 83202 (15m length)



When the Command 60E or Command 60E Pro are placed at over a meter from the Tubes 60E, an extension is needed.







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 60E Pro	Command 60E	Command 360E Pro
Villas 	OUI ✓	OUI ✓	OUI ✓
Buildings 	OUI* ✓	OUI* ✓	OUI ✓
Irrigation 	OUI* ✓	OUI* ✓	OUI ✓
Industry 	Oui* ✓	NON ✗	OUI ✓
Animals and biofilm 	OUI ✓	NON ✗	OUI ✓
Public water supply 	NON ✗	NON ✗	OUI ✓

* Only for small flow rates

Standard packages

Flow rates up to	Package	Description
60 L/min or 3,6 m ³ /h	Aqua-4D® 60E Pro	1 Command 60E Pro + 1 Tube 60E
120 L/min or 7,2 m ³ /h	Aqua-4D® 120E Pro	1 Command 60E Pro + 2 Tubes 60E
180 L/min or 10,8 m ³ /h	Aqua-4D® 180E Pro	1 Command 60E Pro + 3 Tubes 60E + 1 Y60E
240 L/min or 14,4 m ³ /h	Aqua-4D® 240E Pro	1 Command 60E Pro + 4 Tubes 60E + 2 Y60E

Exemple of installation

... for a building with hot water circulation circuit

- 1x Command 60E Pro
- 2x Tube 60E
- 1x 3m synchronisation wire
- 1x Command 360E Pro
- 1x Tube 360E

