AQUA IONIC

APPLICATIONS

Demineralization

TECHNICAL DATA

Voltage supply (*) :	230 Vac ± 10%	Network frequency (*) :	50 Hz ± 3%
Power absorption :	4.6 VA	Operative temperature :	0 °C – 55 °C
Case size (mm) :	165 x 127 x 70	Weight :	0.8 to 1.5 Kg

(*) Special versions are available upon request.

CONNECTIONS

Input signals:
Countermeter probe
Inhibit
Remote starter

Output signals:
Limit cycle impulse (Open Collector)
During regeneration impulse (Open Collector)
Set point (Open Collector)
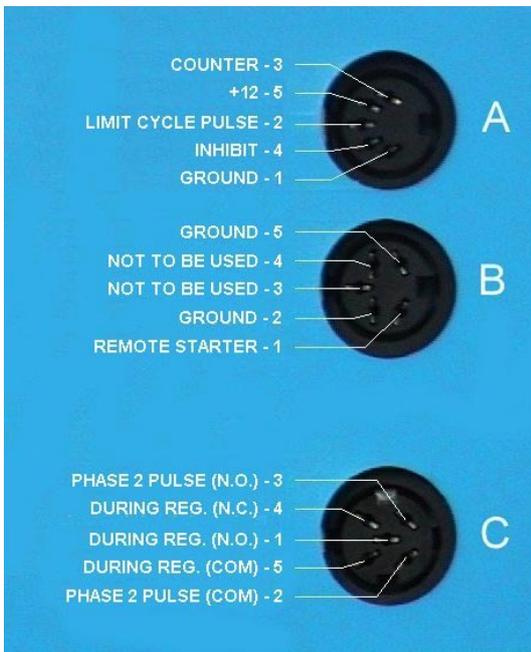Alarm (Open Collector)

PRODUCT CODE

AI 7 – 02 / 05

Family to which the controller belongs to (AI = Aqua Ionic).
Number of installed pilots (5 = 5 pilots, 7 = 7 pilots and so on.).
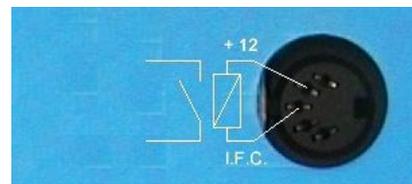Typology of electric connections (02 = DIN socket, 01 = preinstalled sensor cable).
Controller version. (05 = standard).
It is assigned by the Technical Office for customisations.

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Fig. 1: AQUA IONIC electrical connections.
Fig. 2: Open Collector signal output using mode. The device shown in the picture is a relay which absorbed 20 mA maximum.

Fig. 1   Fig. 2

REGENERATION CYCLE STARTING MODE

Auto Set Point	Immediate start when the set point delay time programmed is exhausted.
Auto Volume	Immediate start when the volume is exhausted.
Auto Set Point + Auto Volume	They are both active.
Manual	The regeneration cycle starts only by pressing the Manual Regen key.
Auto Set Point + Manual	Regeneration cycle start by hand. The volume is ignored.
Auto Volume + Manual	Regeneration cycle start by hand. If the volume is exhausted, the alarm will be switched on.

Whichever is the selected mode, the conductivity test is always active.
The regeneration cycle lengths are fully programmable.

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