

Diamant CRONO

ON/OFF ACTUATORS WITH BUILT-IN PROGRAMMING CLOCK

Compact CRONO

USE

- industrial plants
- heating / cooling systems
- plants in which operations are performed at preset times

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OPERATION

Diamant CRONO and **Compact CRONO** actuators are controlled by a microprocessor which allows to intercept or divert the fluid according to the set time. The built-in digital display allows you to enter up to 7 time intervals in which the ball of the matched ball valve will be positioned opposite the default (programmable) position.

It is therefore possible to cause the actuator to open or close the valve at a given time or - if is combined with a 3-way valve - to divert the fluid from one way to the other.

Diamant CRONO and **Compact CRONO** are available in the "Day" version, which allows to program the 7 intervals over one day, and in the "Week" version, in which the 7 intervals can be programmed over one week with one daily operation.

CARATTERISTICHE TECNICHE	Diamant CRONO	Compact CRONO
Power supply	230V • 24V 50/60Hz (110V on request)	
Maximum power consumption	8,9 VA (230V) • 9,4 VA (24V)	10 VA (230V) • 10,6 VA (24V)
Operating torque	11 Nm	22 Nm
Operating time (90° rotation) *	35 sec	45 sec
Power supply cable length	80 cm	
Rotation	90°	
Class protection	IP67	
Temperature sensing field	da -10°C a +50°C	
Connection with ball valve	COMPARATO • ISO 5211 F03/05	ISO 5211 F03/05
Maintenance	None	
Certification	CE	

* Altri tempi disponibili a richiesta



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Diamant CRONO

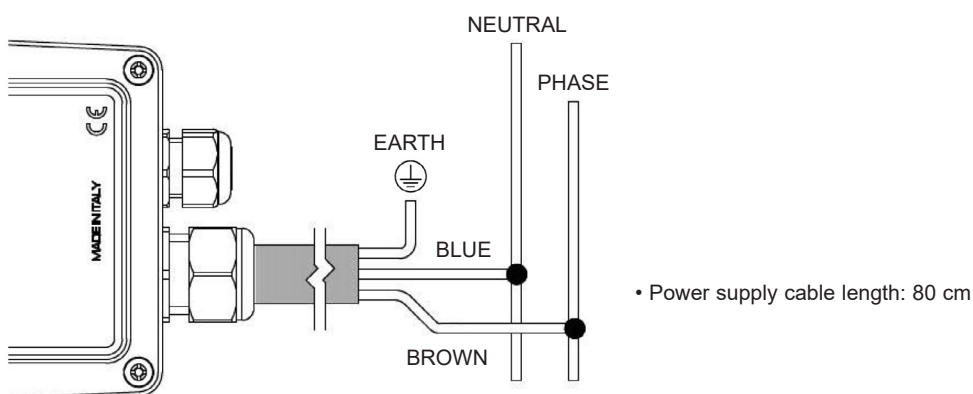
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Compact CRONO

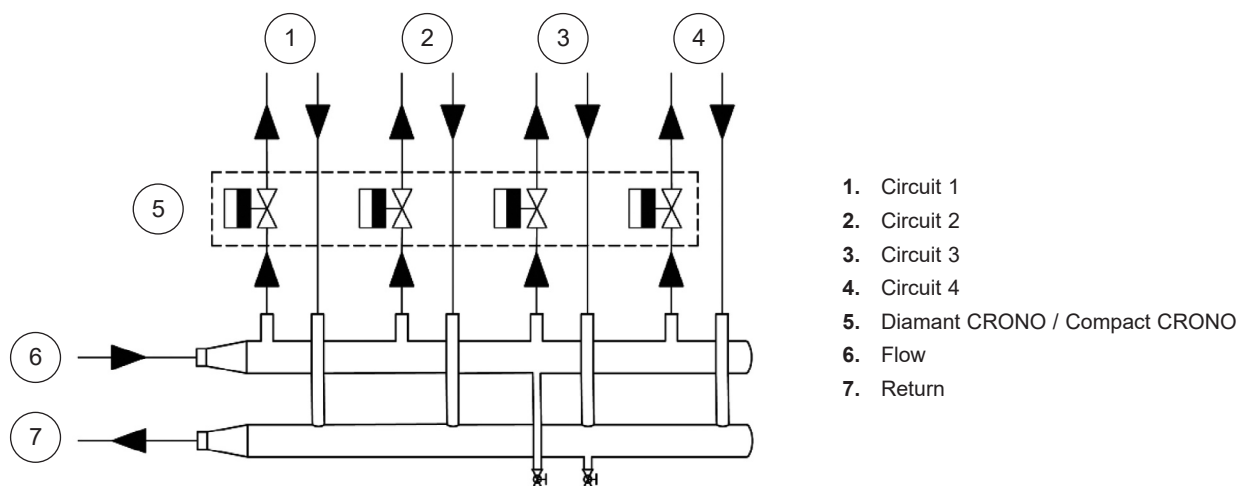
VERSIONS

Actuator	Torque	Rotation angle	Operating time	Power supply	Version	Base code
Diamant CRONO COMPARATO connection	11 Nm	90°	35 sec	230V 50/60 Hz	Day	CRONO230DD
	11 Nm	90°	35 sec	24V 50/60 Hz	Day	CRONO24DD
	11 Nm	90°	35 sec	230V 50/60 Hz	Week	CRONO230DW
	11 Nm	90°	35 sec	24V 50/60 Hz	Week	CRONO24DW
Diamant CRONO ISO 5211 connection	11 Nm	90°	35 sec	230V 50/60 Hz	Day	CRONO230DDF
	11 Nm	90°	35 sec	24V 50/60 Hz	Day	CRONO24DDF
	11 Nm	90°	35 sec	230V 50/60 Hz	Week	CRONO230DWF
	11 Nm	90°	35 sec	24V 50/60 Hz	Week	CRONO24DWF
Compact CRONO	22 Nm	90°	45 sec	230V 50/60 Hz	Day	CRONO230CD
	22 Nm	90°	45 sec	24V 50/60 Hz	Day	CRONO24CD
	22 Nm	90°	45 sec	230V 50/60 Hz	Week	CRONO230CW
	22 Nm	90°	45 sec	24V 50/60 Hz	Week	CRONO24CW

ELECTRICAL CONNECTIONS



APPLICATION EXAMPLE



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OVERALL SIZE



* the size is to be taken into account when coupling the actuator to the ball valve.

BODY VALVE ASSIGNMENT

Diamant CRONO actuators with Comparato connection can be coupled to ball valve shown in "Diamant PRO" datasheet, brass ball valve -DP1.0-21" and on listed body valve with spacer for insulation or spacer for insulation and manual override.

Diamant CRONO • Compact CRONO



DN	Ø	2-way BRASS	3-way BRASS "T"- port "L"- port	3-way BRASS Mixing Diverting	2-way INOX	3-way INOX	2-way PVC	3-way PVC	2-way FLANGED BALL VALVE cast iron	BUTTERFLY
-	1/4"	DIAMANT CRONO	DIAMANT CRONO	-	-	DIAMANT CRONO	-	-	-	-
10	3/8"	DIAMANT CRONO	DIAMANT CRONO	-	-	DIAMANT CRONO	DIAMANT CRONO	AVAILABLE ON DIAMANT PRO WITH COMPARATO CONNECTION	-	-
15	1/2"	DIAMANT CRONO	DIAMANT CRONO	DIAMANT CRONO	DIAMANT CRONO	DIAMANT CRONO COMPACT CRONO	DIAMANT CRONO		-	-
20	3/4"	DIAMANT CRONO	DIAMANT CRONO COMPACT CRONO	DIAMANT CRONO	DIAMANT CRONO	COMPACT CRONO	DIAMANT CRONO		-	-
25	1"	DIAMANT CRONO	COMPACT CRONO	DIAMANT CRONO COMPACT CRONO	DIAMANT CRONO COMPACT CRONO	COMPACT CRONO	DIAMANT CRONO		COMPACT CRONO	-
32	1"1/4	DIAMANT CRONO COMPACT CRONO	COMPACT CRONO	COMPACT CRONO	COMPACT CRONO	-	DIAMANT CRONO		COMPACT CRONO	COMPACT CRONO
40	1"1/2	COMPACT CRONO	-	COMPACT CRONO	COMPACT CRONO	-	DIAMANT CRONO COMPACT CRONO	COMPACT CRONO	-	COMPACT CRONO
50	2"	COMPACT CRONO	-	-	-	-	COMPACT CRONO	COMPACT CRONO	-	COMPACT CRONO

Other combinations on request



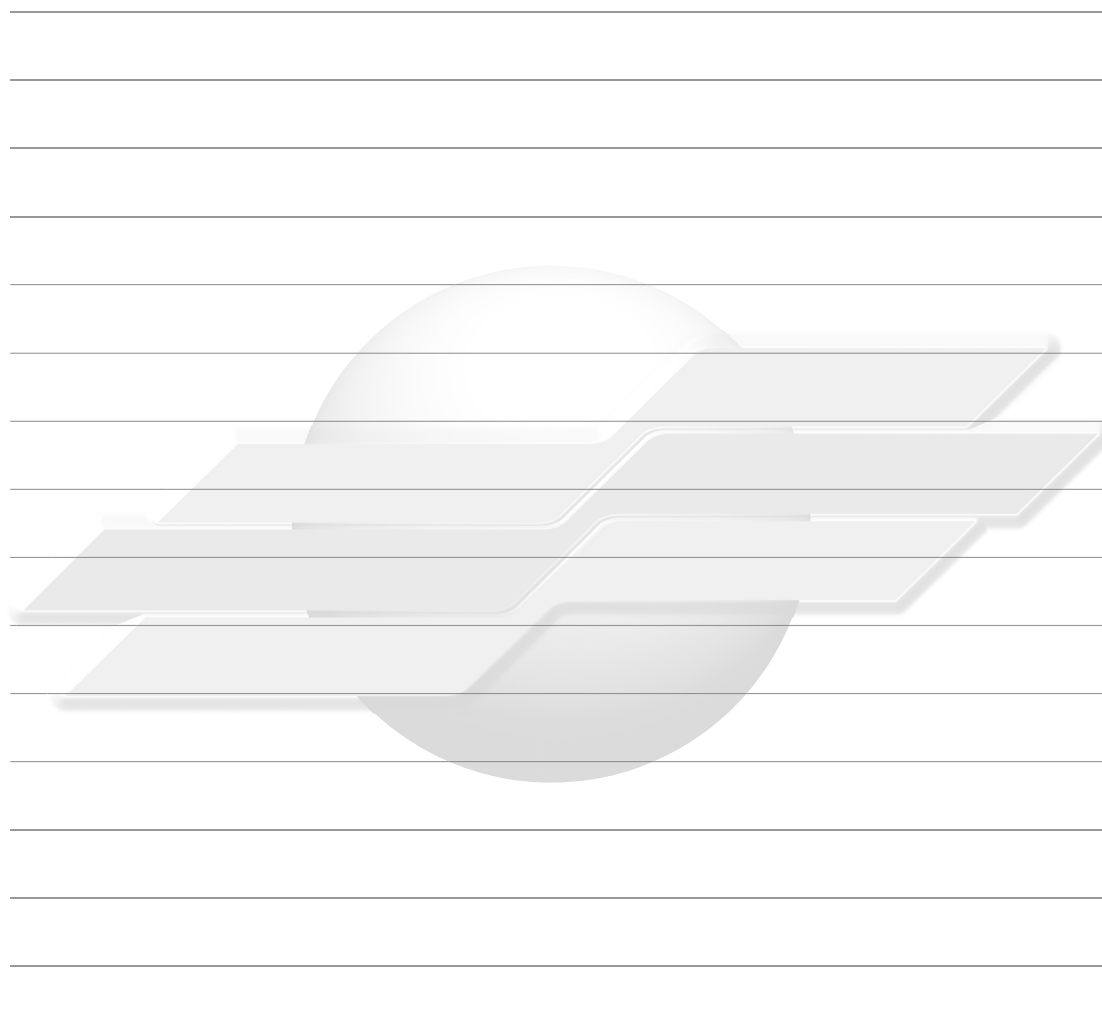
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EXAMPLE OF SPECIFICATIONS

DIAMANT CRONO actuator with integrated timer, ON/OFF control according to time intervals. DAY version with the possibility to program up to 7 intervals over a day. Operational room temperature: $-10^{\circ}\text{C} \div +50^{\circ}\text{C}$, Power supply: 230V 50/60 Hz, operating time: 35 sec / 90°, class protection: IP67, connection to ball valve: Comparato connection.

Brand: **COMPARATO**

Code: **CRONO230DD**

UPDATED DATA SHEETS AVAILABLE AT www.comparato.com

In order to provide an up-to-date service, Comparato Nello S.r.l. reserves the right to modify technical data, drawings, graphs and photos of this data sheet at any time, without prior notice.

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