

Poolcomet PAPI004203-M Steering Module



Poolcomet PAPI004203-M Steering Module Instruction Manual

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Poolcomet

Poolcomet PAPI004203-M Steering Module



Product Information

Specifications

- **Product Model:** PAPI004203-M
- **Version:** 20.08

Product Usage Instructions

Principle of Operation

The steering module allows for various control options:

- Operating Mode
- Boost Mode

Interface

- Screen
- Indicators/Lights
- Control Buttons

Settings

The module offers the following settings:

- Operating Mode
- Boost Mode
- Automatic Steering Mode
- Time Ranges for Automatic Steering
- Blind Mode
- Clock Settings

Resetting Parameters

To reset parameters, follow the instructions provided in the user manual.

Alarms

The module may trigger alarms in certain situations. Refer to the manual for alarm details and troubleshooting.

Warranty

The product comes with a warranty. Refer to the warranty section for details.

OPERATIONAL PRINCIPLE

POSSIBLE CONTROLS		CONFIGURATION TO BE PERFORMED										
		Mode of operation	Boost mode	Automatic control mode	Automatic control time intervals	Cover mode	Clock	Indoor pool mode	Water flow safety lock	Water temperature safety lock	Calibration of the water temperature measurement	Temperature sensor
A	Switching on and off the filtration according to the water temperature	AUTO	OFF	TEMP	-	✓	✓	✓	✓	✓	✓	On
B	Switching on the filtration for a 24-hour period, then A or C according to the chosen configuration	AUTO	On	-	-	-	-	-	✓	✓	-	-
C	Filtration can be switched on and off according to convenient time intervals	AUTO	OFF	TIME	✓	✓	✓	✓	✓	✓	-	✓
D	Forced switching on of the filtration	MANU	-	-	-	-	-	-	-	-	-	-
E	Switching off the filtration	OFF	-	-	-	-	-	-	-	-	-	-

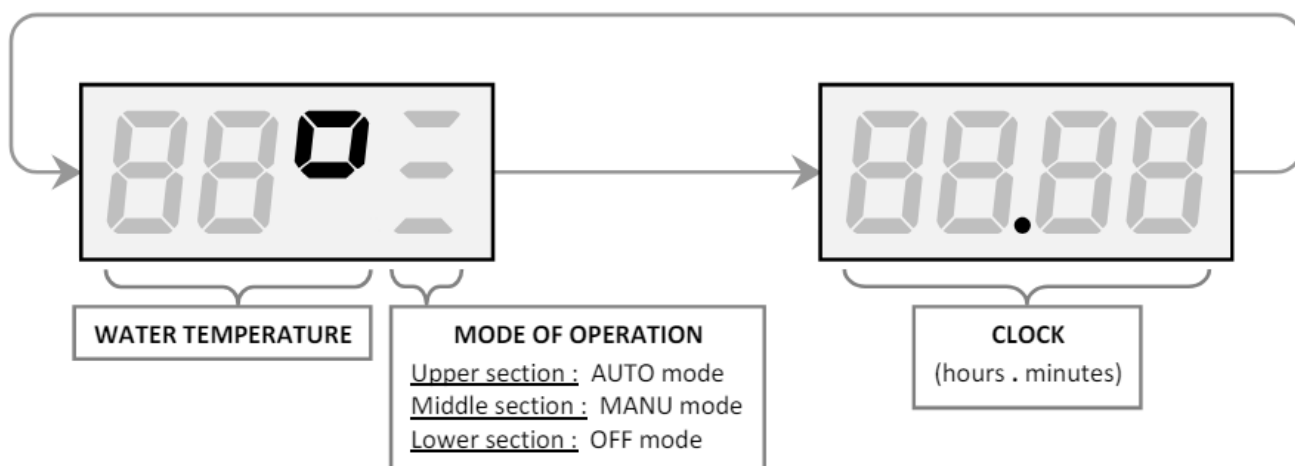
INTERFACE

Screen

1. Overview

DISPLAY	MEANING
Fixed	Confirmed information or in read only
Flashing	Information awaiting confirmation, or alarm set off

2. Default display



LEDs

REFERENCE	STATUS	MEANING
AUX.	Red light	Processing device (electrolyser, pH regulator) on
PUMP	Lights up green	Filtration pump on

Control keys

REFERENCE	FUNCTION
C	<ul style="list-style-type: none"> • Cancels command • Return to previous setting
V	<ul style="list-style-type: none"> • Command confirmation • Entering a setting
▲	<ul style="list-style-type: none"> • Selecting the mode of operation • Selecting a value or element

CONFIGURATION

Mode of operation

POSSIBLE SETTINGS	MEANING
AUTO	Automatic control filtration
MANU	Forced switch on of filtration
OFF	Filtration off

DEFAULT SETTING: **AUTO**

To configure the settings :

Press x times on the **▲** key (does not require confirmation). If the chosen setting is « **OFF** », the message « **OFF** -> » is displayed permanently.

Boost mode

Boost mode switches on the filtration for a 24-hour period.

POSSIBLE SETTINGS	MEANING
ON	Activating Boost mode
OFF	Deactivating Boost mode

1. **To configure the settings:** The mode of operation must be set in **AUTO**.
2. Press and hold down the V key, until the message PRO1 is displayed.
3. **Press on the V key:** the current setting flashes.
4. Select a setting by pressing the key ▲ times.
5. Confirm by pressing the V key: the setting freezes for a moment.

If the chosen setting is «ON», the message «b » flashes alternately with the mode of operation (horizontal segment).

To stop Boost mode before the end of the 24-hour period: Press on the C key.

Automatic control mode

POSSIBLE SETTINGS	MEANING
TEMP	Automatic control according to water temperature (see table below)
TIME	Automatic control according to time intervals to be programmed (see next chapter)

DEFAULT SETTING
TEMP

Maximum water temperature reached the previous day	Filtration operating schedule for the current day
	From 00:00 to 00:00 (i.e. a 24-hour period)
From 1 to 9°C	From 03:00 to 07:00
From 10 to 11°C	From 10:00 to 15:00
From 12 to 13°C	From 10:00 to 16:00
From 14 to 15°C	From 10:00 to 17:00
From 16 to 17°C	From 10:00 to 18:00
From 18 to 19°C	From 10:00 to 19:00
From 20 to 21°C	From 10:00 to 20:00
From 22 to 23°C	From 10:00 to 21:00
From 24 to 25°C	From 10:00 to 22:00
From 26 to 27°C	From 10:00 to 23:00
From 28 to 29°C	From 08:00 to 00:00
≥ 30°C	From 00:00 to 00:00 (i.e. a 24-hour period)





To configure the settings :

1. The mode of operation must be set in **AUTO**.
2. Press and hold down the V key, until the message **PRO1** is displayed.
3. Press on the ▲ key : the message **PRO2** is displayed.
4. Press on the V key : the current setting flashes.
5. Select a setting by pressing the key ▲ times.
6. Confirm by pressing the V key : the setting freezes for a moment.
7. If the chosen setting is « **t INE** » : the message **t5.0 l** is displayed for a few moments.



Automatic control time intervals

TIME INTERVALS	POSSIBLE SETTINGS		DEFAULT SETTINGS	
	Switch on time	Switch off time	Switch on time	Switch off time
t5.01	From 00.00 to 23.45 (i.e. from 00:00 to 23:45, in steps of 1 hour and in steps of 15 min)		08.00	18.00
t5.02			00.00	
t5.03				
t5.04				
t5.05				
t5.06				
t5.07				
t5.08				

To program a time interval :

1. The automatic control mode must be set in **t INE**.
2. Press and hold down the V key, until the message **PRO1** is displayed.
3. Press on the  key : the message **PRO2** is displayed.
4. Press twice on the V key : the message is **t5.01** displayed.
5. Select a time interval by pressing the  key x times.
6. Confirm by pressing the V key : the switch on time is displayed.
7. Set the switch on time by pressing the  key x times and then confirm using the V key for the hours and then the minutes. After this, the switch off time is displayed.
8. Set the switch off time by pressing the key  times and then confirm using the V key for the hours and then the minutes. After this, the time interval is displayed for a few moments.

To deprogram a time interval (switch on time and switch off time at 00.00) :

1. The automatic control mode must be set in **t INE**.
2. Press and hold down the V key, until the message **PRO1** is displayed.
3. Press the  key : the message **PRO2** is displayed.
4. Press twice on the V key : the message **t5.01** is displayed.
5. Select a time interval by pressing the key  times.
6. Press and hold down the V key : the switch on time is set at 00.00.
7. Press the V key : the switch off time is set at 00.00.
8. Press twice on the V key : the time interval is displayed for a few moments.

Cover mode

The cover mode stops the treatment device every hour for a set period of time when the cover is closed.

POSSIBLE SETTINGS	MEANING
ON	Activating the water flow safety lock
OFF	Deactivating the water flow safety lock

DEFAULT SETTING
OFF



The « ON » setting is only enabled after the setting below has been confirmed.

POSSIBLE SETTINGS	MEANING
NO	NO (normally open) contact configuration
NC	NC (normally closed) contact configuration

DEFAULT SETTING
NO

To configure the settings :

1. 1) The mode of operation must be set in **AUTO**.
2. 2) Press and hold down the V key, until the message **PRO1** is displayed.
3. 3) Press twice on the key : the message **PRO3** is displayed.
4. 4) Press the V key : « » or « » flashes.
5. 5) Select « » or « » by pressing the key ▲ times.
6. 6) Confirm by pressing the V key : the setting freezes for a moment.
7. 7) If the chosen setting is « ON » :
 1. Select « NO » or « NC » by pressing the key ▲ times.
 2. Confirm by pressing the V key : the setting freezes for a moment.
 3. Select a setting from 00 to 50 by pressing the key ▲ times.
 4. Confirm by pressing the V key : the setting freezes for a moment.

When the (NO or NC) contact is activated, the « » index flashes alternately with the mode of operation (horizontal segment).

Clock

POSSIBLE SETTINGS	DEFAULT SETTING
From to (i.e. from 00:00 to 23:59, in steps of 1 hour and in steps of 1 min)	Cumulative time since the first implementation of the control module, reset to every 24 hours

To configure the settings :

1. The mode of operation must be set in **AUTO**.
2. Press and hold down the V key, until the message **PRO1** is displayed.
3. Press three times on the key ▲ : the message **PRO4** is displayed.
4. Press the V key : the current setting flashes.
5. Set the hours by pressing the key ▲ times.

6. Confirm by pressing the V key : the hour setting freezes for a moment.
7. Set the minutes by pressing the key x ▲ times.
8. Confirm by pressing the V key : the minute setting freezes for a moment.

Indoor pool mode

The indoor pool mode reduces the filtration time to 60 % per hour.

POSSIBLE SETTINGS	MEANING
ON	Activating indoor pool mode
OFF	Deactivating indoor pool mode

DEFAULT SETTING: OFF

To configure the settings :

1. The mode of operation must be set in **AUTO**.
2. Press and hold down the V key, until the message is **PRO1** displayed.
3. Press four times on the ▲ key : the message is **PRO5** displayed.
4. Press the V key : the current setting flashes.
5. Select a setting by pressing the key ▲ times.
6. Confirm by pressing the V key : the setting freezes for a moment.

Water flow safety lock

- **This safety lock:** – requires prior installation and connection of a flow sensor (optional).
- **This safety lock:** – stops the filtration as soon as the water flow is insufficient.

POSSIBLE SETTINGS	MEANING
ON	Activating the water flow safety lock
OFF	Deactivating the water flow safety lock

DEFAULT SETTING
OFF



The « ON » setting is only enabled after the setting below has been confirmed.

POSSIBLE SETTINGS	MEANING
NO	NO (normally open) contact configuration
NC	NC (normally closed) contact configuration

DEFAULT SETTING
NO

To configure the settings :

1. The mode of operation must be set in **AUTO**.
2. Press and hold down the V key, until the message is **PRO1** displayed.

3. Press five times on the ▲ key: the message is **PRO6** displayed.
4. Press the V key : «ON » or «OFF » flashes.
5. Select «ON » or «OFF» by pressing the ▲ key x times.
6. Confirm by pressing the V key : the setting freezes for a moment.
7. If the chosen setting is «ON » :
 1. Select « NO» or «NC » by pressing the ▲ key x times.
 2. Confirm by pressing the V key : the setting freezes for a moment.

Water temperature safety lock

SAFETY LOCK N°1		
Chronological order	Water temperature	Immediate automatic action
1	$\leq 1^{\circ}\text{C}$ for more than 1 minute	Forced switching on of the filtration
2	$> 1.5^{\circ}\text{C}$ for more than 1 hour	Forced switching off of the filtration

SAFETY LOCK N°2		
Chronological order	Water temperature	Immediate automatic action
1	$\leq 15^{\circ}\text{C}$ for more than 1 hour	Switching off the processing device (electrolyser, pH regulator)
2	$> 15^{\circ}\text{C}$ for more than 10 days	Forced switching on of the filtration for a 48-hour period

SAFETY LOCK N°3		
Chronological order	Water temperature	Immediate automatic action
1	$\geq 30^{\circ}\text{C}$	Forced switching on of the filtration for a 24-hour period
2	$< 30^{\circ}\text{C}$	-

POSSIBLE SETTINGS	MEANING
ON	Activation of water temperature safety locks
OFF	Deactivation of water temperature safety locks

DEFAULT SETTING
OFF

To configure the settings :

1. The mode of operation must be set in **AUTO**.
2. Press and hold down the V key, until the message is **PRO1** displayed.
3. Press six times on the ▲ key : the message is **PRO7** displayed.
4. Press the V key : the current setting flashes.
5. Select a setting by pressing the ▲ key x times.
6. Confirm by pressing the V key : the setting freezes for a moment.

Calibration of the water temperature measurement

POSSIBLE SETTINGS	DEFAULT SETTING
From to , in steps of 1, within the limit of 10°C high or lower compared to the current measurement	Current measurement

To configure the settings :

1. The mode of operation must be set in **AUTO**.
2. Press and hold down the V key, until the message is **PRO1** displayed.
3. Press seven times on the ▲ key : the message is **PRO8** displayed.
4. Press the V key : the current measurement flashes.
5. Select a setting by pressing the ▲ key x times.
6. Confirm by pressing the V key : the setting freezes for a moment.

Temperature sensor

POSSIBLE SETTINGS	MEANING
On	Activating the temperature sensor
OFF	Deactivating the temperature sensor

DEFAULT SETTING
On

If the chosen setting is « OFF » :

- The water temperature is not displayed.
- The automatic control mode is set in « **LINE** ».
- The water temperature safety locks are deactivated.
- The calibration of the water temperature measurement cannot be performed.

To configure the settings :

1. The mode of operation must be set in **AUTO**.
2. Press and hold down the V key, until the message is **PRO1** displayed.
3. Press eight times on the ▲ key : the message is **PRO9** displayed.
4. Press the V key : the current setting flashes.
5. Select a setting by pressing the ▲ key x times.
6. Confirm by pressing the V key : the setting freezes for a moment.

RESETTING THE PARAMETERS

Resetting the parameters resets all settings to the defaults, except the clock.

1. Press and hold down the C and V keys simultaneously : the message «8.8.8.8» is displayed briefly, then the default display appears.
2. Wait a few minutes until the message « » is displayed.
3. Power down the electronics cabinet for a few seconds.
4. Power up the electronics cabinet : after a few moments, the default display appears.

ALARMS

FLASHING DISPLAY alternating with the mode of operation (horizontal segment)	FAULT DETECTED	IMMEDIATE AUTOMATIC ACTION	DISMISSAL
F	Insufficient water flow	Switching off the filtration	By pressing the V key
t	Water temperature ≤ 15°C for more than 1 hour	Switching off the processing device (electrolyser, pH regulator)	Automatic

GUARANTEE

Before contacting your dealer, please have the following to hand :

- your purchase invoice.
- the serial n° of the electronics unit.
- the installation date of the equipment.
- the parameters of your pool (salinity, pH, chlorine levels, water temperature, stabilizer level, pool volume, daily filtration time, etc.).

Every effort and all our technical experience has gone into designing this equipment. It has been subjected to quality controls. If, despite all the attention and expertise involved in its manufacture, you need to make use of our guarantee, it only applies to free

Guarantee period (proven by date of invoice)

- Electronics unit : 2 years.
- Repairs and spare parts : 3 months.

The periods indicated above correspond to standard guarantees. However, these can vary depending on the country of installation and the distribution network.

Scope of the guarantee

- The guarantee covers all parts, with the exception of wearing parts that must be replaced regularly.
- The equipment is guaranteed against all manufacturing defects within the strict limitations of normal use.

After-sales services

- All repairs will be performed in the workshop.

- Shipping costs in both directions are at the user's own expense.
- Any downtime and loss of use of a device in the event of repairs shall not give rise to any claim for compensation.
- In all cases, the equipment is always sent at the user's own risk. Before taking delivery, the user must ensure that it is in perfect condition and, if necessary, write down any reservations on the shipping note of the carrier. Confirm with the carrier within 72
- hours by recorded letter with acknowledgement of receipt.
- Replacement under guarantee shall in no case extend the original guarantee period.

Guarantee application limit

- In order to improve the quality of their products, the manufacturer reserves the right to modify the characteristics of the products at any time without notice.
- This documentation is provided for information purposes only and is not contractually binding with respect to third parties. his documentation.
- Installation, maintenance and, more generally, any servicing of the manufacturer's products should only be performed by professionals. This work must also be carried out in accordance with the current standards in the country of installation at the time of
- installation. The use of any parts other than the original parts voids the guarantee ipso facto for the entire equipment.

The following are excluded from the guarantee :

- Equipment and labour provided by third parties in installing the device.
- Damage caused by installation, not in compliance with the instructions.
- Problems caused by modifications, accidents, misuse, negligence of professionals or end users, unauthorised repairs, fire, floods, lightning, freezing, armed conflict or any other force-majeure events.

Any equipment damaged due to non-compliance with the instructions regarding safety, installation, use and maintenance contained in this documentation will not be covered by the guarantee. Every year, we make improvements to our products and software. These new versions are compatible with previous models. The new versions of hardware and software cannot be added to earlier models under the guarantee.

Implementation of the guarantee

For more information regarding this guarantee, contact your dealer or our After-Sales Service. All requests must be accompanied by a copy of the purchase invoice.

Legislation and disputes

This guarantee is subject to French law and all European directives or international treaties in force at the time of the claim, applicable in France. In case of disputes concerning its interpretation or execution, the High Court of Montpellier (France) shall have exclusive jurisdiction.

FAQ


- **Q: How do I switch between different modes of operation?**

A: Use the control buttons to navigate and select the desired mode.

- **Q: What should I do if an alarm is activated?**

A: Refer to the alarm section of the manual to understand the alarm cause and resolution steps.

Documents / Resources

	<p>Poolcomet PAPI004203-M Steering Module [pdf] Instruction Manual PAPI004203-M, PAPI004203-M Steering Module, Steering Module, Module</p>
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References

- [User Manual](#)

Manuals, Privacy Policy

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