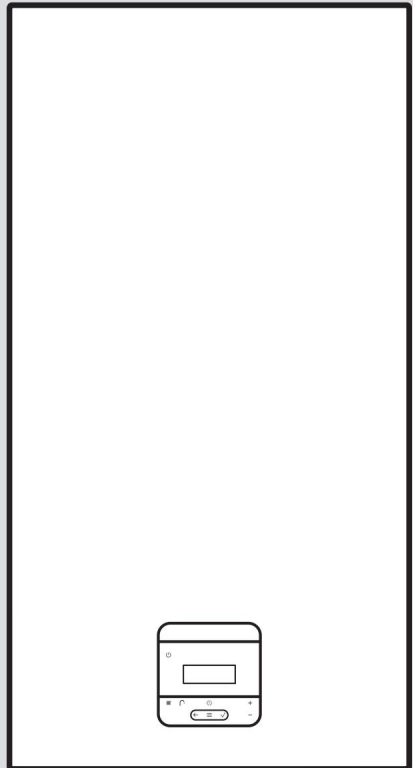


IsoTwin Condens

T 26-CS/1 (N-FR)

T 31-CS/1 (N-FR)



User manual

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1 Security

1.1 Intended use

This product is a generator specially designed heat for circuit-operated heating systems

closed and water production sanitary hot.

Proper use of the device also assumes:

- use of the product in compliance with the instructions for use supplied with the product as well as the other components of the installation
- respect for all inter inspection and main tenance va lles that appear in the manuals

Any use other than that described in this manual or beyond the stipulated scope in the notice will be considered as non-compliant.

Any misuse is prohibited.

1.2 Qualifications

ÿ Entrust the installation, conversion and adjustment of produced exclusively to a qualified professional.

As a user, you are authorized to perform all work described in the this notice.

Exception: this product can be used by older children at least 8 years old as well as people who are not in full possession of their physical, sensory or mental capabilities, or who lack experience or knowledge, provided that they have been trained to use the product safely, that they understand the risks incurred or that they are properly supervised.

Children should not play with this product. Cleaning and routine maintenance which are the responsibility of the user above all must not be carried out by children without monitoring. The work described in the other notices must only be carried out by persons who meet the specified criteria

for these tasks.

1.3 General guidelines for security

The following chapters contain information important for safety. He it is essential to read this information and take it into account to avoid any danger of death, risk of injury, damage material or damage environmental.

1.3.1 Gas

If you smell gas: • Avoid rooms where you smell gas. • If possible, open doors and windows wide to create drafts.

• Avoid naked flames (eg lighter or matches). • Do not smoke. • Do not use any electrical switch, mains plug, bell, telephone or other intercom in the building. • Close the gas meter shut-off device or the main shut-off device. • If possible, close the gas shut-off valve of the product. • Warn residents by calling or knocking on their door. • Immediately exit the

building and make sure no one enters it. • Notify the police and the firefighters as soon as you leave the building. • Notify the gas supplier's office with a telephone located outside the building.

1.3.2 Combustion gases

If you smell combustion gas:

• Open doors and windows wide to create drafts. • Switch off the product. • Contact a qualified professional.

1.3.3 Subsequent changes

• Never remove, bridge or block safety devices. • Do not tamper with any safety devices. • Do not damage or re

never pull the sealed components of the product. • Do not make any changes:

– at product level – at gas, air, water and electrical supply lines – at installation level

combustion gas discharge – at the level of the condensate discharge system – at the level of the safety valve

– at the pipe level
• Ensure that the combustion air supply is connected to the combustion air supply

be sufficient at all times
ence.

1.3.4 Material damage

ÿ Ensure that the air in the
combustion is free from
fluorine, chlorine, sulfur,
dust etc

ÿ Make sure that there are no
chemical substances
stored in the room
installation.

ÿ Make sure that the heating
installation remains in
service in any case
when it freezes, but also that
all rooms are sufficiently
heated. let
the product switched on at
the main switch.

ÿ If you cannot do
so that the installation of
heating remains on,
have it drained by a
specialized installer.

ÿ Be sure to complete
the heating system
with heating water
adapted. If in doubt,
contact your professional
qualified.

1.3.5 Legionella

ÿ Check with
your qualified professional
regarding the measures that
were taken in your ins

as part of the
anti-legionella function.

ÿ Do not adjust the temperature
water below 60°C
without first consulting the
qualified professional.

2 Notes on the documentation

ÿ It is essential to comply with all the user manuals which accompany the components of the installation.

ÿ Keep this number carefully. tice as well as all other documents applicable supplements for future reference.

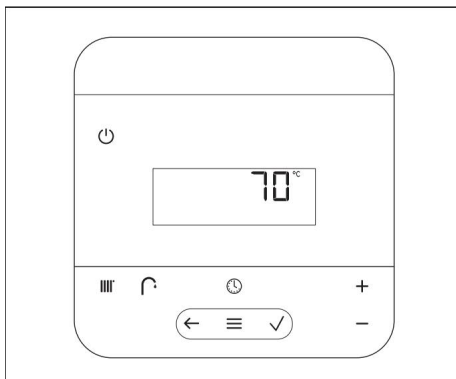
This notice applies exclusively to the following products:



Product - article reference









T 26-CS/1 (N-FR)	0010025210
T 31-CS/1 (N-FR)	0010025212

3 Product Description




3.1 Display and elements of ordered














Element control	Functioning
	<ul style="list-style-type: none"> – Activation/deactivation of standby mode: press for less than 3 seconds – Reset key: long press more than 3 seconds to restart
	Setting the flow temperature or the desired temperature

Element control	Functioning
	Water temperature adjustment hot
	– Setting time slots Operating
	<ul style="list-style-type: none"> – Back to previous level – Cancellation of entry
	<ul style="list-style-type: none"> – Access the menu – Back to main menu – Access to the basic display
	<ul style="list-style-type: none"> – Validation/modification of the selection – Recording of the value of setting
	– Navigation in the structure menus
	– Decrease or increase the setting value
	Device main switch <ul style="list-style-type: none"> – Located under the product, on the side right. – Turns off the product, deactivates the frost protection function.

3.2 Symbols displayed

Symbol	Meaning
	Current modulation rate of the burner.
	Current system pressure tition: <ul style="list-style-type: none"> – Fixed display: pressure of fill in range eligible – Flashing display: filling pressure outside the permissible range
	Heating mode activated: <ul style="list-style-type: none"> – Fixed signal: burner off, heat demand present – Flashing signal: burner on, heat demand present

Symbol	Meaning
	Domestic hot water production activated: – Fixed signal: burner off, no heat demand – Flashing signal: burner on, heat demand present
	Installer menu enabled
	Lock screen
	The product is busy.
	Contact a qualified professional.
	Reset function
	Chimney sweep mode (running combustion analysis)
	Scheduled heating activated
	Smart eco function activated
	Clock setting: – Permanent display: the time is set – Flashing display: the time needs to be set
	Warning
F.XXX	Fault in the product: Appears instead of the basic display, with explanatory plain text if necessary.
N.XXX	Rescue method: Appears in place of the basic display, with plain text explanation where appropriate.
I.XXX	Maintenance Required: Appears in place of the basic display, with plain text explanation where applicable.

3.3 Serial number

The serial number is affixed at the factory on the identification plate and on the brief instructions for use.

Numbers 3 to 6 correspond to the production date (year/week) and numbers 7 to 16 to the article number of the product.

3.4 CE marking



The CE marking certifies that the products comply with the basic requirements of the applicable directives, in accordance with the declaration of conformity.

The declaration of conformity is available from the manufacturer.

4 Operation


4.1 Operating concept

Values and options can be changed


adjustable via buttons



Any modification of a value must be

validated with . The new setting is only saved after validation.

4.1.1 Basic display When the status display appears, press


on  to access the display of the base.

The basic display is used to set the desired hot water temperature.

The flow temperature is the temperature at which the heating water leaves the heat generator (eg 65°C).

Press to set the domestic hot water mode temperature. 

The other hot water mode settings health are covered in the chapters correspondents.

When the basic display appears, ap press In  to access the menu: the presence of a fault, the display of base gives way to a fault message.

4.1.2 Command levels

When the basic display appears, go to the menu to access the user command level.

The level reserved for the installer (access technician) requires knowledge very specific. This is why it is protected by an access code.


4.2 Heating mode

In heating mode, the rooms are heated according to your settings.



4.2.1 Setting the temperature of start of heating


Condition: No controller connected and mode scheduled heating is disabled

ÿ From the "basic display", ap

press once on to  display the flashing symbol.

ÿ The set heating flow temperature appears on the display.

ÿ Press to set the  Where  heating flow temperature which agrees.


ÿ Confirm with .

ÿ The set temperature flashes 2 times quickly.



Condition: No controller connected and mode programmed heating is activated


ÿ Deactivate the scheduled heating mode (ÿ page 9).

ÿ From the "basic display", ap

press once on to  display the flashing symbol.

ÿ The set heating flow temperature appears on the display.

ÿ Press the  Where  to adjust the heating flow temperature which agrees.


ÿ Confirm with .

ÿ The set temperature flashes 2 times quickly.

ÿ Activate scheduled heating mode (ÿ page 9).

Condition: Controller connected

ÿ From the "basic display", ap


press once on to  display the flashing symbol.


ÿ **on** or **OFF** appears on the screen.

– **indicates** that the heating mode is activated.

– **OFF** indicates that the heating mode is deactivated.

ÿ If the display shows **OFF**, then press

on the key  to activate the mode heater.



ÿ Confirm with .


ÿ **one** flashes 2 times quickly.

ÿ Set the flow temperature of the heating that suits the level of the regulator (ÿ operating manual for the regulator).

4.2.2 Adjusting the settings of the heating ranges

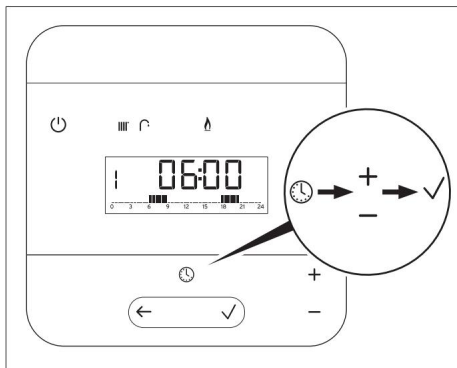
1. Press .





2. Press to adjust the  and  heating flow temperature

on the ranges and validate with .

3. Press to view the heating flow temperature outside the ranges. 

4. Press .
 The following screen is displayed:






5. Press  and  to configure the heating operating ranges.
6. Validate a heating range and not go to the next one with .
7. Validate and go to the configuration of the next day with .
8. Proceed in the same way for the other days of the week.



Remark




Every day of the week is individually configurable and numbered from 1 to 7: the number 1 corresponding to Monday, number 2 to Tuesday and so right now.

4.2.3 Deleting the setting heating ranges


1. Press .
2. Press once  to validate.
3. Press more than 3 seconds  to delete the settings.
 The time axis flashes, tracks configured settings have been deleted

4. Press once  to validate.

4.2.4 Activating/deactivating the programmed heating mode

1. From the "basic display", make a long press on . We are visible on the screen for a few seconds counts and  appears on the screen basic. The programmed heating mode is activated.
2. Disable pro heating mode programmed with a long press on . **Off** is visible on the screen a few seconds. The programmed heating mode is deactivated.




4.2.5 Deactivating the mode heater

- From the basic display, press  for at least 5 seconds.
 Heating mode is deactivated.




4.3 Domestic hot water mode

The domestic hot water mode is used to bring drinking water to the water temperature desired hot.

4.4 Temperature setting domestic hot water

1. From the basic display, press 1 time on  to display the symbol. .
2. Press . The domestic hot water temperature appears on the screen.

Condition: No controller connected

- Press to set the  Where  domestic hot water temperature which agrees.
- Confirm with .

• The set temperature flashes twice quickly.

Condition: Controller connected

• Set the correct domestic hot water temperature on the controller (• controller operating instructions).

4.4.1 Deactivating water mode domestic hot water

• From the basic display, press



for at least 5 seconds.

• The domestic hot water mode is disabled.

4.4.2 Activating/deactivating the smarteco-mode



Note The Smart eco mode for reheating domestic hot water has been developed to optimize energy efficiency in domestic hot water mode according to the habits and pace of life in each household.

During the "comfort" period, the product favors the sanitary comfort of the user.

During the "eco" period, the product favors energy savings.

1. From the "basic display", ap
press 7 times to display the flashing symbol.



2. Press to activate or deactivate Smart eco mode.



3. Validate with • is displayed on the screen.



4.4.3 Mode overview Smart eco domestic hot water

The intelligent domestic hot water reheat function is capable of an

anticipate the user's expectations by knowing whether the volume of water stored will be sufficient to meet demand or whether the start-up of the boiler is necessary in order to limit untimely restarts, reduce gas consumption, reduce noise and thus increase the life of the product.

It is possible to activate and deactivate the Smart eco mode via the main menu of the product.

4.4.3.1 Learning phase of the "intelligent" function of domestic hot water mode

A learning phase is necessary to ensure correct operation of the intelligent function for reheating the domestic hot water stored in the

product.

The learning phase is transparent for the user and does not require any specific action. Simply use the product normally.

The learning phase is based on the 7 days of the week (24/24h with an accuracy of 1/4h).

Once the learning phase is completed, the periods of use, the types of demands and the volumes of water will be identified.

A graphic representation of the learning phase can be found in the appendix to better understand the operating principle.

4.4.3.2 Integration of the "smart" function in domestic hot water mode

The intelligent domestic hot water reheat function interprets the results of the learning phase and will respond as follows depending on the type of period.

During periods of low domestic hot water demand (eco), the boiler

legie energy savings by taking action as follows :



- Heating the water tank(s) domestic hot water will be timed until reach a delta of 10K in the ball(s) in relation to the setting of the setpoint or a temperature < 45°C.
- Heating the water tank(s) domestic hot water will be activated only when the sum of the volumes of water drawn will be > 30 litres. Or if the instantaneous draw-off rate is > 10 L/min for 90 sec.

In times of high hot water demand sanitary (comfort), the boiler favors the sanitary comfort of the user by acting as follows:

- Heating the water tank(s) domestic hot water will be timed until a delta of 5K is reached in the balls in relation to the setting of the order.
- Heating the water tank(s) domestic hot water will be activated only when the sum of the volumes of water drawn will be > 10 litres. Or if the instantaneous draw-off rate is > 10 L/min for 30 sec.

4.4.4 Mode Setup

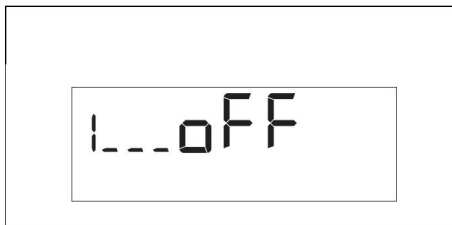
holidays




1. Press .
2. Press  until the screen above appears.

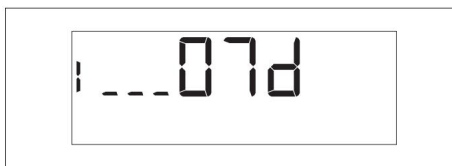



Remark

oFF is displayed, the function is disabled.








3. Activate the function by setting a duration in days with  and  then confirm with .
 - ÿ Screen saver counts down the days until the end of the determined holiday period.



4. Exit vacation mode by pressing on .

4.4.5 Locking and unlocking user interface




1. Press the key  until  dye symbol.
2. Validate with .
 - ÿ Screen is locked
3. Press the or key for 3 seconds to   to unlock the user interface.

4.4.6 Visualization of energy consumption of the product

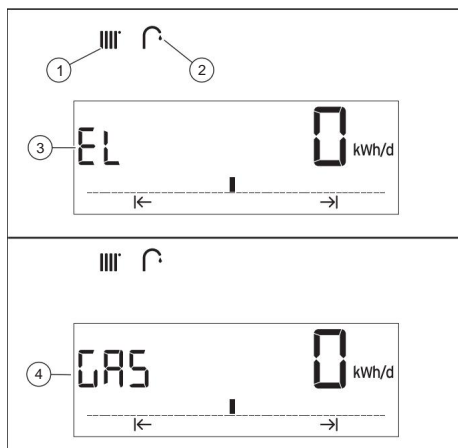
You have the possibility to consult the different energy consumption of your product.

When the basic display appears, go to the menu to access the user command level.



4.4.6.1 Enabling access user

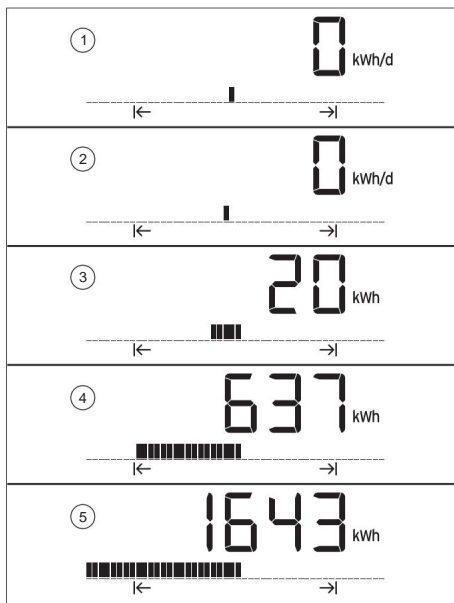
1. Press the key  until dye symbol. 
2. Set the reserved menu code to the user and confirm with .
– Code for user access: 00

4.4.6.2 Consultation of energy consumption of the product






- | | |
|--|-------------------------|
| 01 Consumption energy for the heater | 03 Consumption electric |
| 02 Consumption energy for hot water sanitary | 04 Consumption gas |

1. Enable user access (ÿ page 12).
2. Validate with .
ÿ  and **GAS** appear on the screen as well as gas consumption of the day of your product to produce heating.



- | | |
|--------------------------------------|-------------------------------------|
| 01 Consumption daily energy | 04 Consumption of the previous year |
| 02 Consumption of the previous day | 05 Consumption total product |
| 03 Consumption of the previous month | |

3. Press  to consult the daily consumption, the consumption of the previous day, that of the previous full month and the annual consumption.
4. Press to view the  different types of consumption **EL/GAS** of your product.
5. Use  to return to the precedent.

5 Care and maintenance

5.1 Product maintenance

ÿ Clean the casing with a cloth moistened with soapy water.

ÿ Do not use aerosol, pro abrasive product, washing-up liquid, solvent or chlorinated detergent.

5.2 Maintenance

Only an annual inspection and biannual maintenance, carried out by a specialized installer, can guarantee the availability and safety, reliability and longevity of the product. It may be necessary to anticipate the maintenance intervention, depending on the findings of the inspection.

5.3 List of maintenance messages



The symbol appears on the screen when a product maintenance visit is necessary.


The device is not in fault mode and is operating normally.

ÿ Contact a specialist installer for this. ÿ If the water pressure starts flashing

simultaneously, just add heating water.

5.4 Pressure check heating circuit filling level 5.4.1 Checking the heating

circuit pressure
filling the heating system 1.
From the basic display, ap

press 3 times on . ÿ The display shows the current filling pressure value. ÿ The symbol flashes on the screen.



2. Check the filling pressure on the screen.

3. If the filling pressure falls below 0.8 bar (0.08 MPa), fill the heating installation (ÿ page 13).



Remark

If the heating installation supplies several floors, it may be necessary to establish

higher filling pressure. Ask your specialist installer for advice.

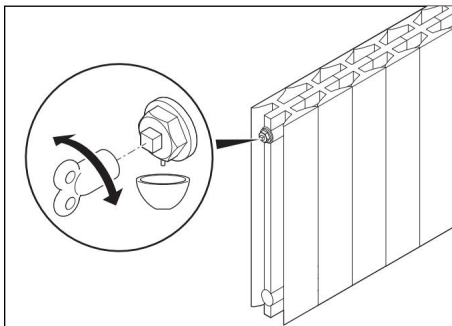
5.4.2 Topping up the heating system



Note The

heating system top-up depends on the actual configuration of the system. If the following steps are not suitable for installation, contact a qualified professional.

1. Open all thermostat valves radiator ticks from the heating installation.
2. Slowly open the fill loop valve. Run the water until the pressure required for the installation is reached.
3. Close the rem loop valve pleating.



4. Drain all radiators at the connection provided for this purpose (at the top of the radiator, on the left or on the right).



Note You can use a trap key.

5. Recheck the system pressure after purging. (ÿ page 13)
6. Repeat the filling and bleeding steps if necessary.
7. Close the fill valve.

5.5 Checking the condensate drain line and drain funnel

The condensate drain pipe and the evacuation funnel must always remain clear. ÿ Regularly inspect the condensate drain line and the drain funnel for any defects, especially clogs.

There must be no foreign bodies visible or perceptible to the touch in the condensate drain pipe and the evacuation funnel.

ÿ Call in a specialist fitter if you notice any faults.

6 Troubleshooting

ÿ In the presence of fault codes (**F.XXX**), emergency mode codes (**N.XXX**) on the screen or even operating anomalies, proceed as indicated in the table in the appendix.

Error codes (ÿ page 17)

Troubleshooting (ÿ page

- 17) ÿ If the operations listed in the table does not allow the fault or operating anomaly to be remedied, contact a qualified professional. ÿ If rescue mode messages appear on the screen, contact a qualified professional.

7 Decommissioning

7.1 Temporary decommissioning of the product

1. Press 2.

Close the gas shut-off valve on the product and switch off the main switch only if there is no risk of frost.

3. Close the cold water shut-off valve.

7.2 Final decommissioning of the product

ÿ Entrust the final decommissioning of the appliance to a specialized installer.

8 Restarting

1. Switch on the main switch of the device if it was switched off.
2. Open the product's gas shut-off valve if it is closed.
3. Press if the main switch of the device was on.
4. Open the cold water shut-off valve.

9 Recycling and disposal

ÿ Entrust the disposal of the packaging to the specialist installer who installed the product.



■ If the product bears this symbol:

ÿ In this case, do not dispose of the product with household waste. ÿ Dispose of the product at a collection point for waste electrical and electronic equipment.



■ If the product contains batteries that bear this symbol, it means that the

batteries may contain harmful or polluting substances. In this case, dispose of the batteries at a collection point for used batteries.

10 Guarantee and after-sales service

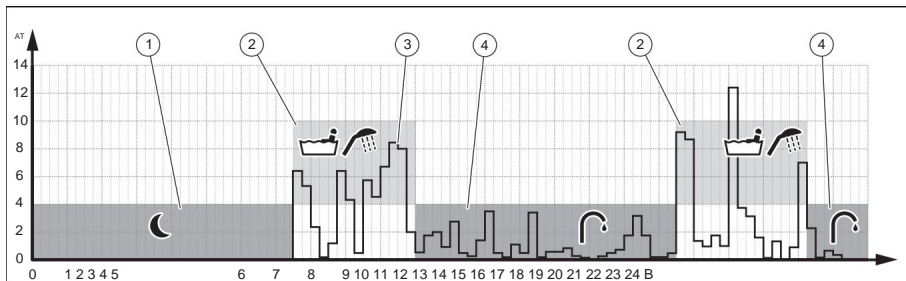
10.1 Warranty

To obtain information regarding the manufacturer's warranty, please contact the address indicated on the back.

10.2 After-sales service The contact details of our after-sales service are indicated on the back or on the website www.saunierduval.fr.

Annex

A Intelligent domestic hot water reheat function - result of a learning phase over one day



AT	Drawing volume (l/1/4 hour)	2	Periods of high needs (comfort)
	Time	3	Average requirement
B1	Period without need at night (eco)	4	Periods of low need (eco)

B Status codes



Remark

As the code table is used for different products, some codes may not be visible for the affected product.

The code table only gives an extract of the codes as a whole.

status code	Meaning
S.000	There is no request associated with the heating mode.
S.002	The heating mode is active and the heating pump is in the heating phase. pre-operation.
S.003	The heating mode is active and the appliance is in the ignition phase.
S.004	The heating mode is active and the burner is in operation.
S.006	The heating mode is active and the fan is in the on phase at empty.
S.007	The heating mode is active and the heating pump is in the heating phase. empty walking.
S.008	The heating mode is active and the appliance is in the phase of cutting off the burner.
S.020	There is no demand associated with the hot water tank load sanitary.
S.022	Domestic hot water tank charging is active and the pump is in the pre-operation phase.
S.024	Domestic hot water tank charging is active and the burner is Operating.
S.031	Heating mode is disabled and there is no water demand sanitary hot.
S.034	The frost protection function is active.

C Error codes



Remark

The code table only gives an extract of the codes as a whole.

Message	Possible cause	Measure
F.022 There is no or not enough water in the product or water pressure is too low.	Lack of water in the heating installation	1. Check the filling pressure of the heating installation. (ÿ page 13) 2. Top up the water in the installation of heater. (ÿ page 13)
F.028 The flame signal was not detected during the ignition phase.	After five unsuccessful ignition attempts, the product switched to mode fault.	1. Check that the gas shut-off valve is open. 2. Press the reset key for more than 3 seconds. – Maximum number of repetitions: 3 3. If you cannot remedy the problem ignition, contact a qualified professional.

D Troubleshooting

Anomaly	Possible cause	Measure
Product that does not fit not running (not hot water, no heater)	The shut-off valve of the gas installed on site and/or the shut-off valve product gas is firm.	ÿ Open both gas stopcocks.
	The electrical supply to the building is cut off.	ÿ Check the building supply fuse. The product automatically turns back on when the power supply is restored.
	The stop valve cold water supply is closed.	ÿ Open the cold water shut-off valve.
	The product is discontinued.	ÿ Restarting the product. (ÿ page 14)
	The temperature am 1. Set the flow temperature regulated hot water is too low and/or the heating mode/the domestic hot water mode is off.	1. Set the flow temperature of the heating/the age. (ÿ page 8) 2. Set the hot water temperature sanitary. (ÿ page 9)
	There is air in the heating installation.	1. Bleed the heating system (ÿ chapitre Back-up of the heating system). 2. If you can't purge the installation heating by yourself, contact a qualified professional.

Anomaly	Possible cause	Measure
Heating does not turn on (water production domestic hot water is operating normally)	The external controller is incorrectly set.	• Parameterize the external controller as required must (• controller operating instructions).

Provider

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