Supplement

installation manual CM appliances



Installation Manual *(GB)*

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1. Introduction

This supplement will complement and replace the standard installation manual supplied with the appliance.
The content of the supplement will apply if you install a CM appliance and will then have precedence over the content of the standard supplied manual.

The following symbols are used in the manuals to indicate important information:

➢ Actions to be performed
!Tip Suggestions and recommendations
!Caution You will need these instructions to prevent problems that might occur during installation and/or use.
!Caution You need these instructions to prevent fire, personal injury or other serious damages.
!Caution If the appliance is made with the CM system, the chapters and sections below shall apply and NOT the chapters and sections from the supplied installation manual!
!Caution Always observe all safety requirements!

5.3.1 Connecting the receiver

The receiver must be connected to the control panel by means of a cable. For this, a low voltage cable of at least 2x0.8 mm2 must be laid between the control panel and the receiver. Please proceed as follows:
➢ Lay the cable and allow the end to reach the receiver (see appendix 3, fig. 38B).
➢ Make sure the other end comes out of the wall in the centre of the location where the control panel will be screwed to the wall.

Dru recommends placing the control panel in the direct vicinity of the appliance, so that it is immediately clear to the user that this is the appliance's control panel. Here, the prescribed distance of combustible objects in relation to the appliance must be observed.
➢ Connect the end of the cable to the green connector (see appendix 3, fig. 37B). The receiver is pole insensitive. So, positive or negative are not an issue here.

!Tip Disconnect the connector from the receiver before the cable is fastened with screws.

5.3.2 Installing the control panel

The control panel should be attached to the wall on the location where the recently laid cable comes out of the wall. Proceed as follows:
➢ Remove the two torx 15 screws from the control panel.
➢ Remove the rear of the control panel by lightly pressing it from the top and bottom.
➢ Then slide the rear off (see appendix 3, fig. 39A).
➢ At a mutual distance of 60 mm, drill 2 level holes (ø6 mm) in the wall at the height of the spot where the wires come out of the wall.
➢ Screw the wall holder of the control panel against the wall (see appendix3, fig. 39B).
➢ Fasten the recently laid cable in the black plug block using screws and a screwdriver. The control panel is pole insensitive (see appendix 3, fig. 39C).
➢ Place the battery with the positive side upwards in the control panel (see appendix 3, fig. 39D).

!Caution On the inside of the control panel you will find a four digit ID number starting with an #. Write down this number and keep it. You will need this number to read out the appliance (also see 6.1.7).
➢ Place the control panel back on the wall holder.
➢ Screw the two torx 15 screws back into the control panel.

6. Operation and putting into operation

The appliance is supplied with a control panel (see appendix 3, fig. 35B). Adjusting the flame height, igniting and switching off take place by means of this control panel that controls a receiver. The appliances can also be controlled by means of an ICY Control Centre (ICY CC). An optional service tool is available for installers.

!Caution Do not ignite the appliance before it has been installed safely with regards to gas, electricity and exhaust. First observe the procedure as described in chapter 7.3.

6.1 Operation

The appliance can be operated via the control panel. This panel has two keys ("+" and "-"), a light/movement sensor and a display for feedback. As soon as the control panel detects movement and no keys are being operated, it will light for about 10 seconds. If one of the two key ("+" or "-") is operated, the display will stay on or light up again. During operation of the keys you will be able to hear a short beep sound. After the display lighted up as a result of movement, the display will not light up again as a result of movement for 20 seconds. This will ensure that the battery remains charged for longer.

6.1.1 Appliance via key control

Proceed as follows to ignite the appliance:

- When you approach the control panel, image 40A becomes visible in the display.
- Press both keys ("+" and "-") for at least 1 second. The appliance will ignite and image 40B will appear on the display.
- As soon as the appliance has been ignited, it will burn with maximum power and 8 of the 9 rounds on the display of the control panel will light up (position 8, see appendix 3, fig. 40B).
- Press "+" once to activate the "Eco Wave". The round at the "E" lights up and "Eco Wave" appears on the display (see appendix 3, fig. 40C).
- Press "-" once to stop the "Eco Wave". The appliance will burn at position 8 again.
- If you press "-" once more, the appliance will go to position 7. Now, 7 of the 9 rounds will light up.
- By operating "-" or "+" it will be possible to select the required burner position. The current position can be read from the lighted rounds on the display (8 positions and Eco Wave).

!Caution If the appliance contains a switchable burner, a burner will turn off or on between positions 4 and 5. It is possible that you will be able to hear a click sound.

Proceed as follows to switch off the appliance:

- First set the appliance to the lowest burner position. The first round will now light up.
- Press "-" once more. A question will appear on the display (see appendix 3, fig. 40D).
- Answer the question by pressing "+" (Yes). The appliance will now switch off.
- If you answer the question by pressing "-" (NO), the appliance will continue to burn at position 1 and the display will return to the previous screen.

6.1.2 Movement / light sensor

The appliance will switch off automatically once the comfort period has passed. This period is set to 1 hour. If the control panel does not detect any movement during this period, the appliance will switch off. The appliance can also be switched off if the control panel does not detect light. This has a delay of approximately 10 minutes. For re-igniting the appliance: see chapter 6.1.3. If the appliance is ignited in the dark, the light sensor is ignored and the appliance will not be switched off. The movement detection does remain active.

6.1.3 Re-ignition

After switching off the appliance or resetting the burner device, it can be re-ignited as described in chapter 6.1.1. However, if the appliance is connected to propane gas, the control panel will wait approx. 10 minutes before igniting. Image 40E is visible on the display. The progress indicator provides an indication of the waiting time. After this time has passed, the "ON" message will re-appear on the display (see appendix 3, fig. 40A). Now, the appliance is ignited as described in chapter 6.1.1.

6.1.4 Locking the appliance (only applicable in combination with ICY CC)

If the appliance works in combination with ICY CC, it can be locked remotely. As soon as the battery is placed in the control panel and has been started up, the "ON" message will appear (see appendix 3, fig. 40A). However, as soon as the control panel receives a (wireless) signal via ICY CC that the appliance must be locked, a lock will immediately appear on the display (see appendix 3, fig. 40F). The appliance/control panel will no longer function. If the appliance receives a locking signal while it is still burning, the appliance will extinguish immediately and the lock will become visible on the display.

6.1.5 Failure and reset procedure

In case of problems when igniting the appliance, e.g. due to air in the pipe or if the flame extinguishes during operation, an error code with reset message will appear on the display of the control panel (see appendix 3, fig. 40G). The error code starting with an "E" will correspond with a description in chapter 10. After restoring the error, the burner device can be reset. For this, press "+" and "–" simultaneously on the control panel for at least 1 second. Now try to re-ignite the appliance in accordance with the procedure described in chapter 6.1.3.

!Caution The system can be reset and re-ignited two times in a row at the most. After that the system will enter hard lock-out and you will have to wait for half an hour before you can make a new attempt.

If it is not possible to reset the burner device, the error code will remain on the display and you will see a wrench next to it (see appendix 3, fig. 40H). This wrench will remain on the screen, even if the burn device has released itself. Even though this is not indicated on the screen, it is possible to reset the appliance (by pressing "+" and "–" on the control panel simultaneously for at least 1 second).

6.1.6 Battery (almost) empty

If there is no mains voltage or in case of an interruption between the control panel and the receiver, it is possible that the rechargeable battery is discharged too much. The control panel, if it detects movement, will show a battery symbol on its display. It will now not be possible to use the appliance. Once the battery has been recharged sufficiently, the control panel will start to function normally again. You will be able to ignite the appliance as described in section 6.1.3. If the battery is discharged even further, the control panel will provide short beep sounds with an interval of several seconds. The display will then also remain off. This situation can also occur if the battery is insufficiently charged during installation.

6.1.7 Reading out the appliance

In order to be able to read out the appliance with the service tool or ICY-CC, you will need the four digit ID number of the control panel. This number can be found on the inside of the control panel and is preceded by a #. Dru recommends writing down this number and the accompanying house number immediately during installation.

6.2 Putting into operation

6.2.1 Fist time

!Caution The appliance must be stoked up once prior to putting into operation. Observe the following.
When using a chimney breast, it has to be dry before you put the appliance into operation. This is to prevent shrinkage cracks.

!Caution If the chimney breast is made of stone-like materials, or has been finished with plaster, it should dry for at least 6 weeks before it is put into operation.

When the appliance is stoked up for the first time, an unpleasant smell may occur as volatile components evaporate from paint, materials, etc. This may take a number of hours.

!Caution
- Pets and birds in particular can be sensitive to the vapours that are released.
- In the beginning the flame picture is affected by the evaporation of volatile components.

!Tip
- Set the appliance at its highest level to speed up the evaporation process.
- Keep the room well ventilated.
- Remove pets from the room.

6.2.2 Safety

To prevent unsafe situations, you should carefully observe the following measures/instructions.

!Caution
- Make sure that combustible objects and/or materials such as curtains have a distance from the appliance and/ or the flues of at least 50 cm.
- Do not dry clothes, towels etc. on and/or near the appliance, in order to prevent fire.
- Avoid contact with hot parts of the appliance to prevent burns.
- Do not leave children and persons who cannot judge the consequences of their actions alone with a burning appliance.

6.2.3 Discolouration of walls and ceilings

A brown discolouration is an unpleasant and difficult to solve problem. Brown discolouration can be caused by burning substances as a result of insufficient ventilation, smoking, burning candles, oil lamps, etc. Cigarette and cigar smoke contain tar substances that are deposited on colder walls. These problems can be (partly) prevented by properly ventilating the room in which the appliance is located.

9. Delivery

You must make the owner or his representative (supervisor) familiar with the appliance. You should instruct him/her in relation to putting into operation, safety measures, the operation of the control panel and annual maintenance. The supervisor should also instruct the user concerning the correct and safe usage of the appliance as described in more detail in chapter 11.

!Caution
- In case of failures/poor functioning, have the supervisor close the gas tap immediately and contact the installer in order to prevent unsafe situations.
- Indicate the location of the gas tap.
- Point out the precautions in chapter 3 and 11.
- Point out the 230 Volt connection.

➢ Instruct the supervisor concerning the appliance and the control panel.

➢ When the appliance is started for the first time, point out that
- a chimney breast made of stone-like materials or finished with plaster should dry for at least 6 weeks prior to putting the appliance into operation. This is to prevent cracks.
- When the appliance is stoked up for the first time, volatile components evaporate from paint, materials, etc.. (Also read chapter 6!).
- When evaporating, the appliance should preferably be set to the highest level.
- The room should be well ventilated.

➢ Give the manuals to the user (all manuals should be stored near the appliance)

11. For the user

Prior to putting the appliance into operation, the user will have to be informed about certain aspects. This information will have to be available to the user. The user must be informed about the operation of the appliance as described in chapter 6.1.

!Caution The user should observe the following safety requirements:
- In case of failures and/or poor operation of the appliance, you must immediately contact the supervisor.
- If the appliance does not ignite after three restarts and enters hard lockout, it may never be reset by disconnecting it from the power supply. Consult (or contact) the supervisor.
- In case of a broken or torn glass pane, do not use the appliance.
- Make sure that combustible objects and/or materials such as curtains have a distance from the appliance and/or the flues of at least 50 cm.
- Do not dry clothes, towels etc. on and/or near the appliance, in order to prevent fire.
- Avoid contact with hot parts of the appliance to prevent burns.
- Do not leave children and persons who cannot judge the consequences of their actions alone with a burning appliance.

Appendix 1 Failures

In the following table you will find an overview of malfunctions that might occur, the possible causes and the remedies.

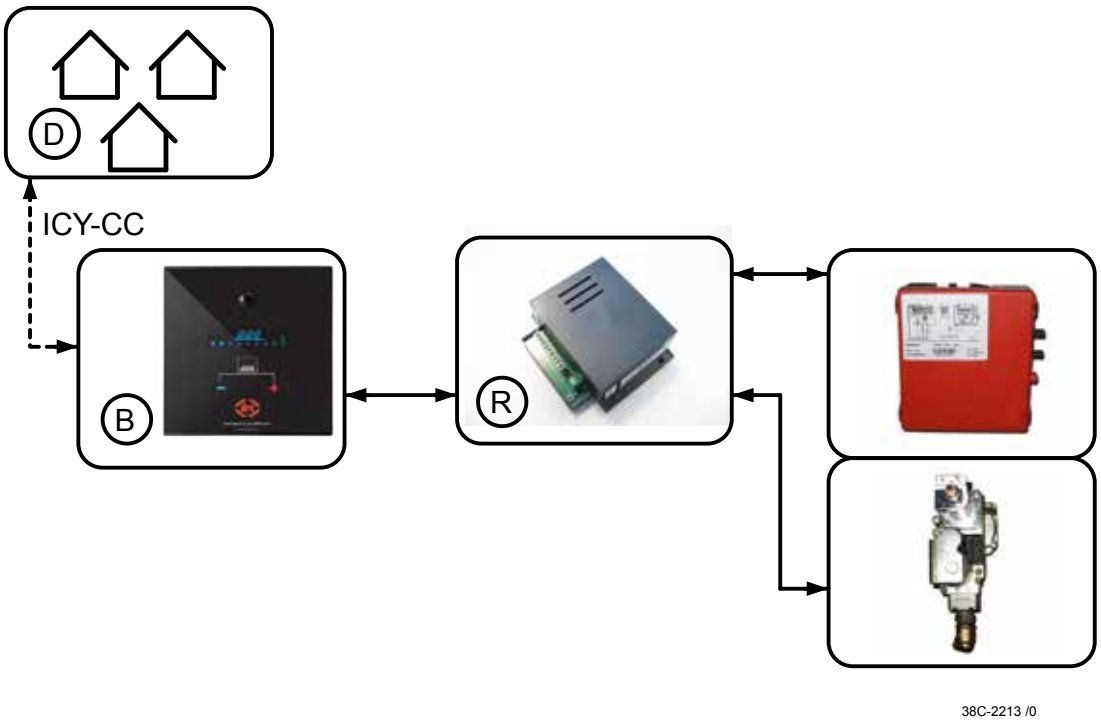
Error messages			
Error code	**Problem**	**Possible cause**	**Remedy**
E1	The burner device (see "C" in appendix 3, fig. 38) reports an error, while the appliance is off	Short-circuiting of the ionization pin	Ensure the ionization pin is free from metal parts.
		Defective cable harness causes short circuit	Replace cable harness
		ESYS defective (burner device)	Replace ESYS
E2	The burner device reports an error while igniting the main burner	No sparks	Ensure that the distance between the electrodes is 3-4 mm
			Replace the spark electrodes
		No gas	Check whether there is gas
			If PowerVent® is used, check whether the gas valve opens
		Poor flame transfer main burner	Check position of blocks/chips
			If necessary, remove dust from burner openings
		No good flame under ionization pin (suffocating flame)	Glass pane strips not placed correctly
			Check restriction and air inlet guide setting
			If PowerVent® is used, check pressure setting
		Ionization pin placed incorrectly	Place it on the right location
		Ionization pin blocked (measure ionization current when > 0 and < 1.8 uA)	If necessary, remove vermiculite or chips from the burner
		Ionization pin defective (measure ionization current when 0)	Replace the ionization pin
E3	The burner device reports an error, while the main burner is switched on	Gas has fallen away	Check gas supply
		Gas control defective (see "A" in Appendix 3, fig. 38)	Replace the gas control
		Suffocation due to poor flue gas channel	Check the concentric system
			Check the setting of the appliance
		Suffocation when using PowerVent®	Check the pressure setting of the PowerVent® system
		24 hour check system	Reset with control panel (consult PowerVent® manual)

Appendix 1 Failures

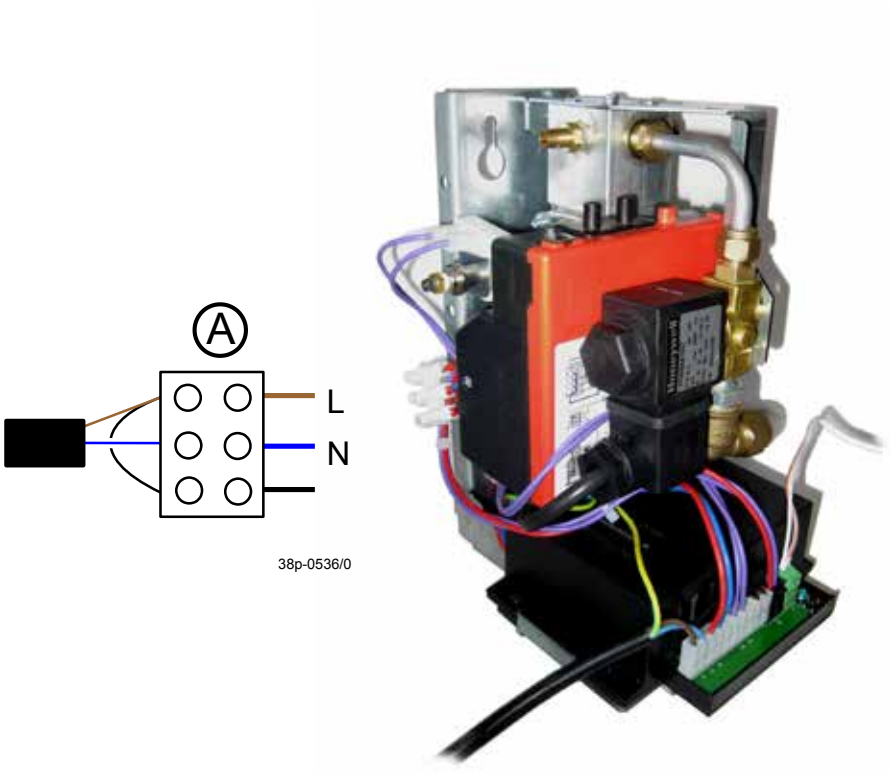
In the following table you will find an overview of malfunctions that might occur, the possible causes and the remedies.

Error messages			
Error code	**Problem**	**Possible cause**	**Remedy**
E4	The burner device reports an error, while the second burner is switched on	Gas has fallen away	Check gas supply
		Gas control defective (see "A" in appendix 3, fig. 38)	Replace the gas control
		Suffocation due to poor flue gas channel	Check the concentric system
			Check the setting of the appliance
		Suffocation when using PowerVent®	Check the pressure setting of the PowerVent® system
E5	Incorrect communication with the burner device	Burner device came loose	Refasten the burner device
		Burner device incorrectly mounted	Mount the burner device correctly
		Pins on the connector on the gas control are bent	Bend them straight
	High limit error	High limit bridge defective	Check High limit bridge ESYS
E6	Incorrect communication with receiver	Cabling to receiver defective	Replace defective cable
		Defective receiver	Replace the receiver
E7		Defective receiver	Replace the receiver
E8	Hardware error in the circuit	Defective cabling	Replace cabling
E9	Message only in ICY-CC, on the control panel there is a battery system	The appliance is not connected to mains voltage	Connect the appliance to mains voltage
		The battery has not yet been charged	Wait until the battery has charged sufficiently
E10	The temperature in the receiver has become too high	The air flow around the appliance is hindered	Check whether there is sufficient ventilation around the appliance
		The ventilation holes of the receiver are covered	Make the ventilation holes free

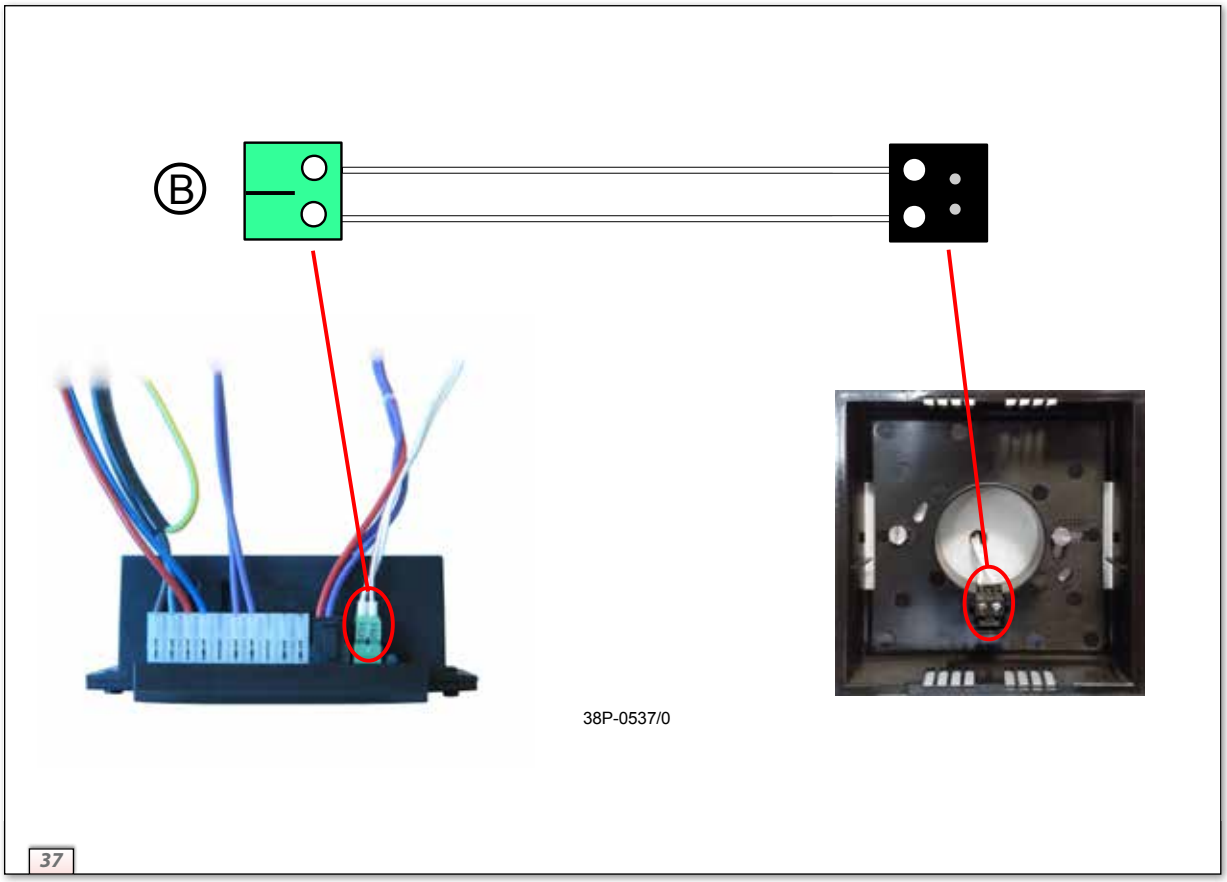
Appendix 3 Figures

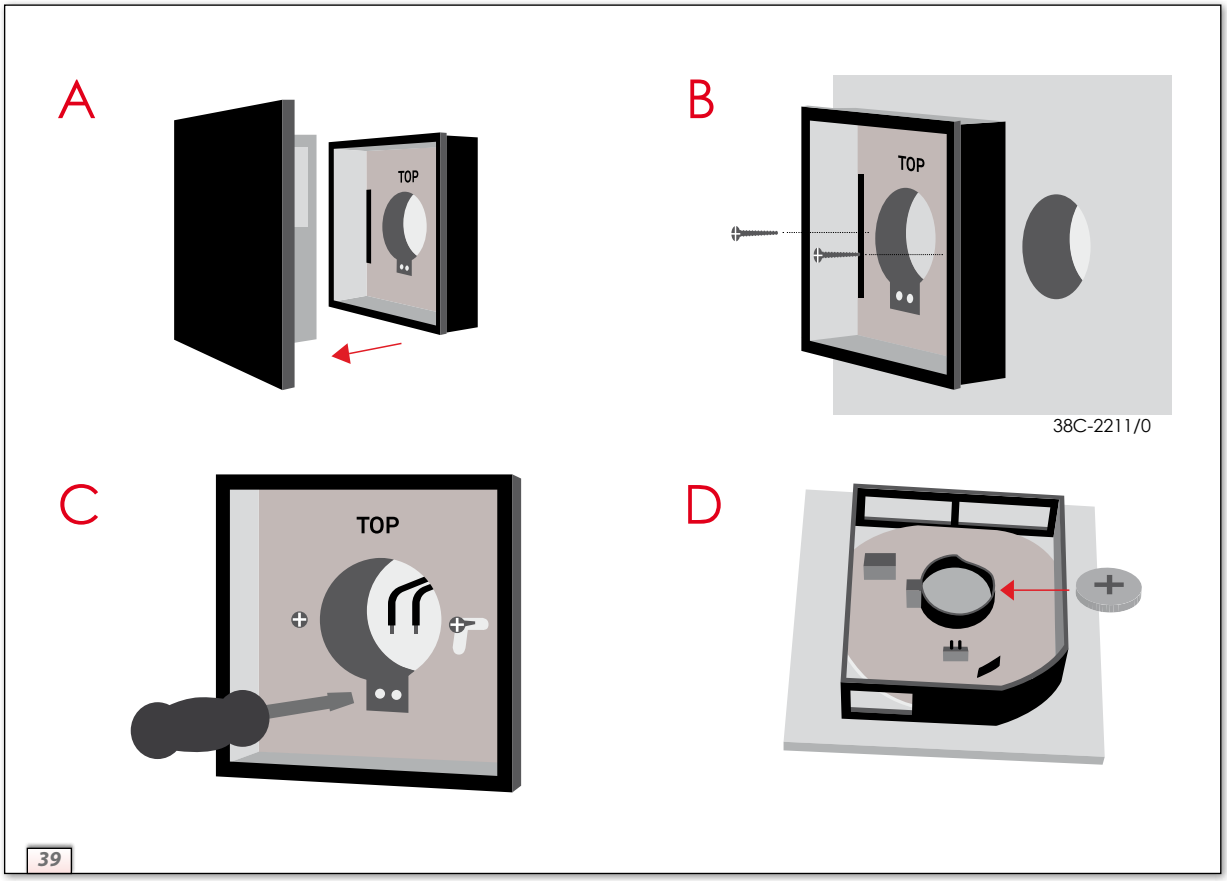


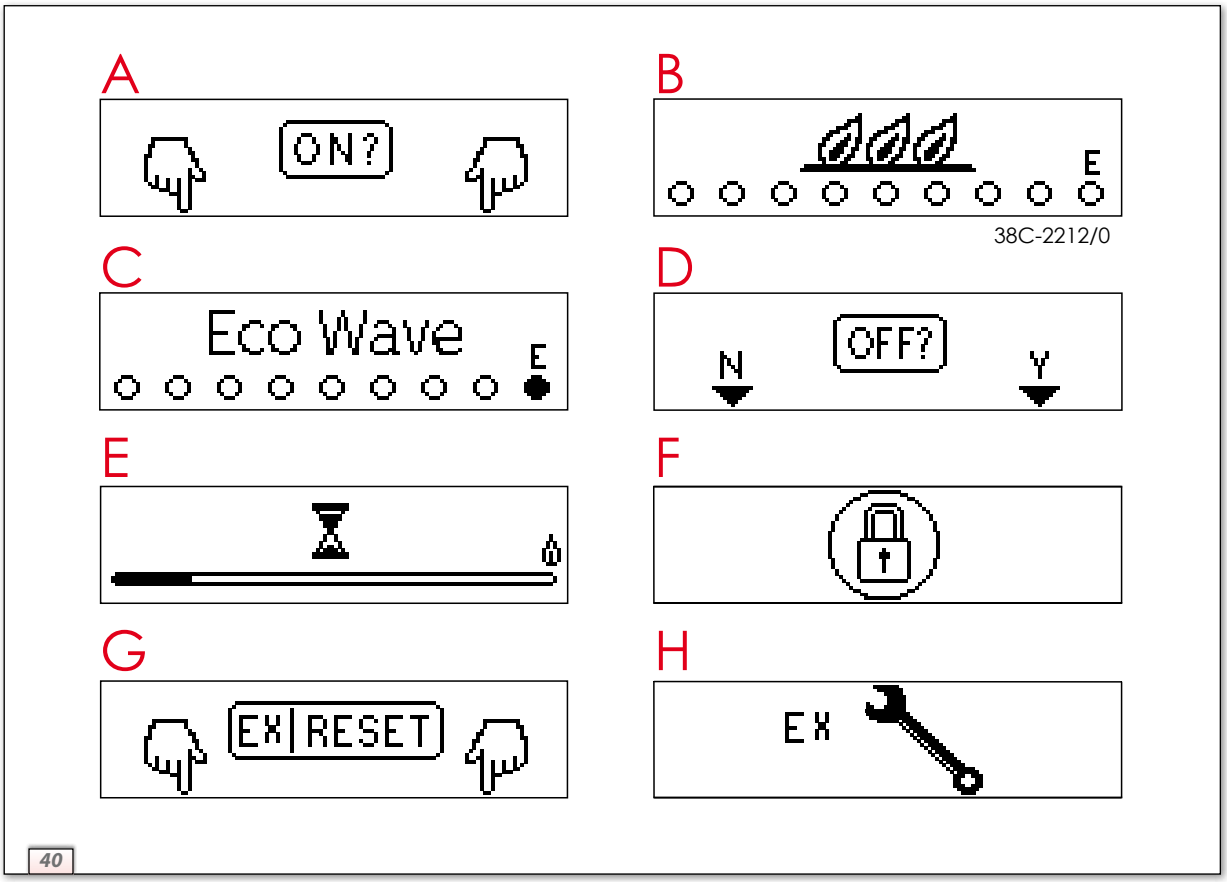
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A
TOP
B
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C
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D
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A
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