



NEOMITIS PRG7 7 Day Two Channel Digital Programmer Instruction Manual

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Product Information

PRG7 7 Day Two Channel Digital Programmer

The PRG7 is a digital programmer designed for controlling heating systems. It features two channels and allows for programming up to 7 days in advance. The product comes with a wall mounting plate for easy installation.

Technical Specifications

- **Power Supply:** 220V-240V~ 50Hz
- **Maximum Load:** 6A

Pack Contents

- 1 x PRG7 Programmer
- 1 x Standard wall plate
- 2 x Screw Anchors
- 2 x Screws

Product Usage Instructions

Mounting of Wall Mounting Plate:

1. Unscrew the 2 screws located under the programmer to release it.
2. Remove the wall plate from the programmer.
3. Secure the wall plate to the wall using the provided screws and aligning it with the horizontal and vertical holes.
4. If surface mounting is desired, use the knock-out area provided on both the wall plate and the corresponding

area of the programmer.

Wiring:

Note: All electrical installation work should be carried out by a qualified electrician or competent person. Ensure that the mains supply to the system is isolated before removing or refitting the appliance onto the backplate.

All wiring must be in accordance with IEE regulations and should be fixed wiring only.

The following wiring connections are specified:

Terminal	Connection
N	Neutral IN
L	Live IN
1	HW/Z2: Normal close output
2	CH/Z1: Normal close output
3	HW/Z2: Normal open output
4	CH/Z1: Normal open output

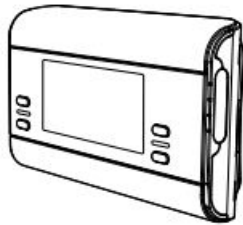
Mounting of the Programmer:

1. Place the programmer back on the wall mounting plate.
2. Secure the programmer by screwing both locking screws located under the programmer.

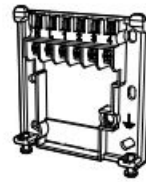
Installer Settings:

To access the advanced installer settings, move the two mode sliders to the off position.
Please refer to the complete user manual for more detailed instructions and information.

PACK CONTAINS



x1
Programmer



x1
Standard wall plate



x2
Screw Anchor



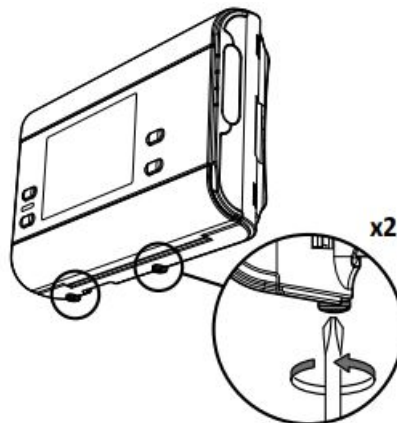
x2
Screws

INSTALLATION

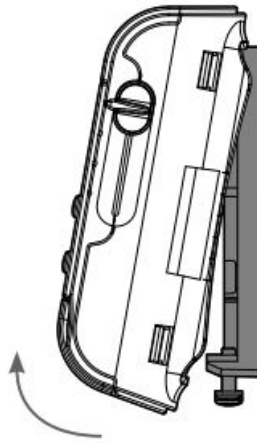
MOUNTING OF WALL MOUNTING PLATE

The digital programmer is fixed on the wall with the wall plate which is supplied with the product.

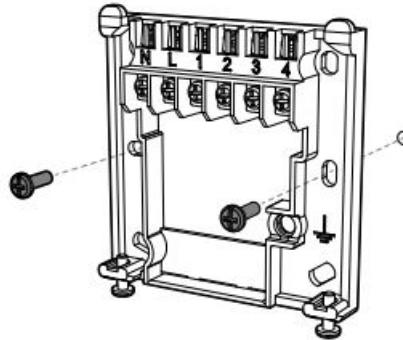
1. Unscrew the 2 screws under the programmer.



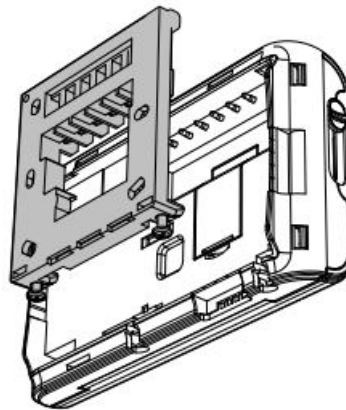
2. Remove the wall plate from the programmer.



3. Secure the wall plate with the two screws provided using the horizontal and vertical holes.



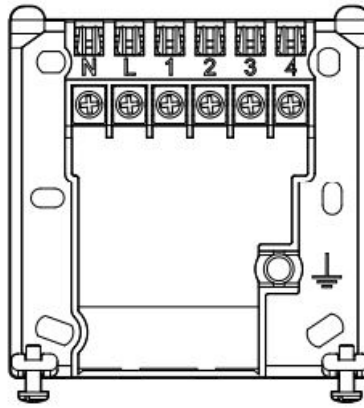
4. In case of surface mounting, a knock out area is provided on the wall plate and on the corresponding area of the programmer.



WIRING

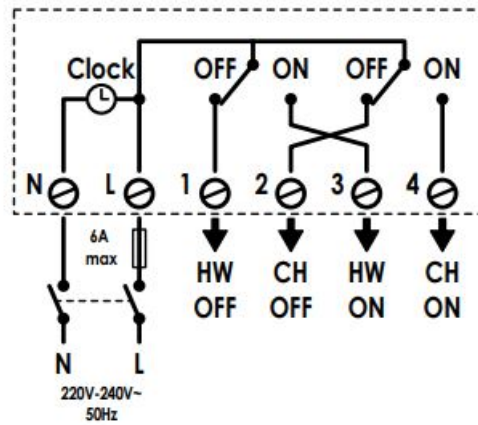
- All electrical installation work should be carried out by a suitably qualified Electrician or other competent person. If you are not sure how to install this programmer consult either with a qualified electrician or heating Engineer. Do not remove or refit the appliance onto the backplate without the mains supply to the system being isolated.
- All wiring must be in accordance with IEE regulations. This product is for fixed wiring only.

Internal wiring



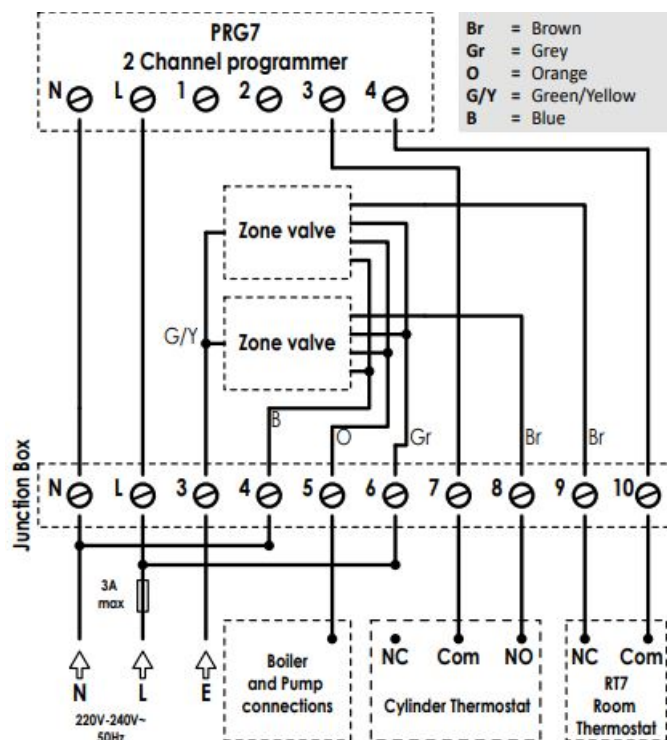
- **N** = Neutral IN
- **L** = Live IN

1. **HW/Z2**: Normal close output
2. **CH/Z1**: Normal close output
3. **HW/Z2**: Normal open output
4. **CH/Z1**: Normal open output

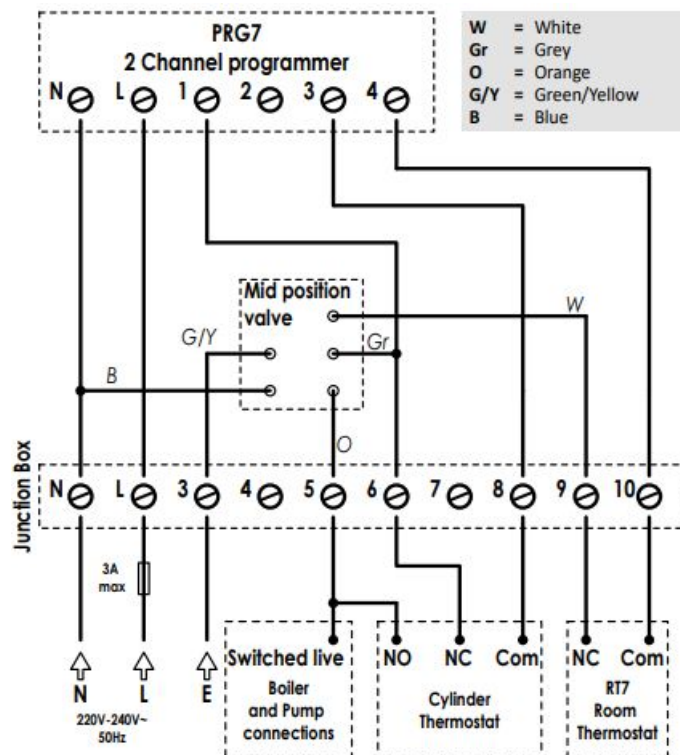


Wiring diagrams

port system

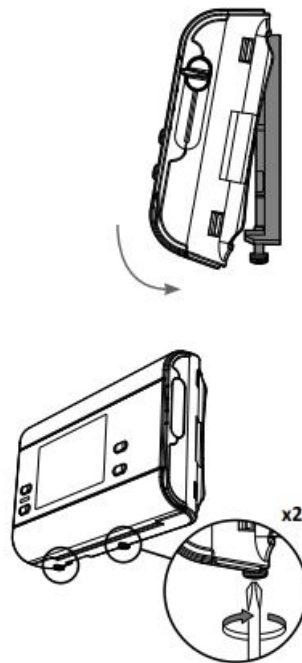


port system



MOUNTING OF THE PROGRAMMER

1. Replace the programmer on the wall mounting plate.



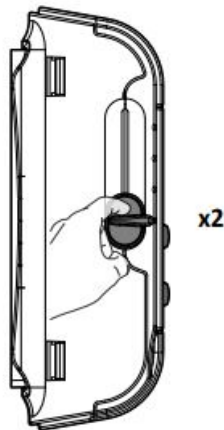
2. Secure the programmer by screwing both locking screws under the programmer.


INSTALLER SETTINGS

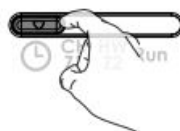
ADVANCED INSTALLER SETTING

Access

- Move the 2 mode sliders to off position.



- Move the programming slider to  the position.



- Press simultaneously and for 5 seconds.



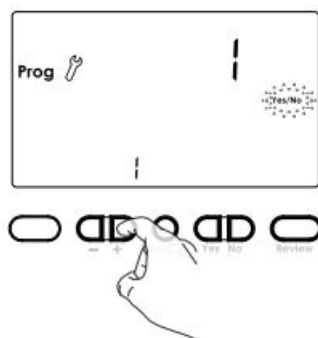
- 5 advanced settings can be modified.
- Press until correct option is in display then use or to select your choice.

Setting number/Description

1. Select gravity/pumped mode
2. Set 12 or 24 hours clock
3. Activation of auto Summer/Winter change over
4. Set the number of ON/OFF periods
5. Select your system between Z1/Z2 or CH/HW
6. Activation of backlight

- Gravity/Pumped mode (1)
- The pre-set system is Pumped.
- Press or to change to Gravity (2).

1. Pumped
2. Gravity



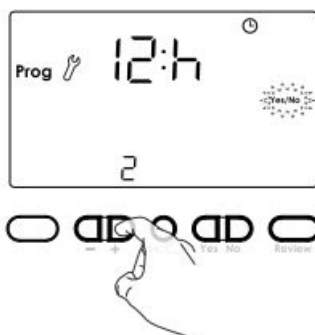
3. Then save by moving the programming slider or save and go to next setting by pressing .



Set 12/24 hours clock (2)

- The pre-set value is 12 hours clock.

1. Press or to change to “24h”.



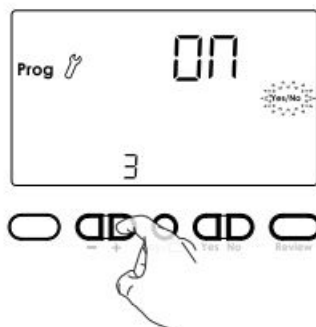
2. Then save by moving the programming slider or save and go to the next setting by pressing.



Auto Summer/Winter change over (3)

The auto Summer/Winter change over default is ON.

1. Press or to change to OFF



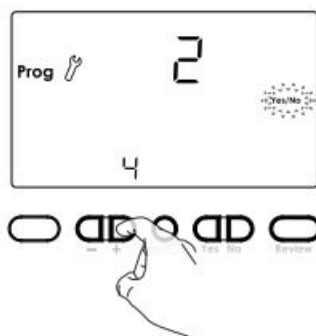
2. Then save by moving the programming slider or save and go to the next setting by pressing.



Set number of ON/OFF periods (4)

You can adjust the number of ON/OFF switching time periods. The pre-set number is 2.

1. Press or to change to 3 periods.



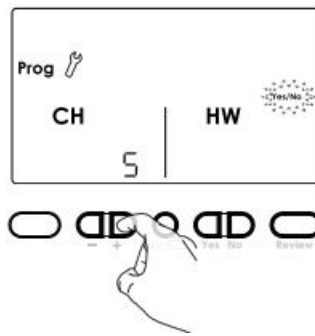
2. Then save by moving the programming slider or save and go to next setting by pressing .



Installation operating (5)

The digital programmer can manage Central Heating and Hot Water or 2 zones. The pre-set choice is CH/HW.

1. Press or to change to Z1/Z2.



2. Then save by moving the programming slider or save and go to next setting by pressing .

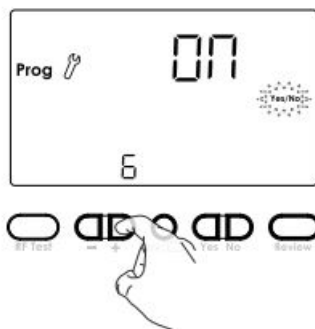


Note regarding the Advanced installer settings: If programming slider is moved, it will save changes and exit installer mode.

Backlight (6)

The backlight can be switched Off. The pre-set value is ON.

1. Press or to change to OFF.



2. Then save by moving the programming slider or save and go to next setting by pressing .



TECHNICAL SPECIFICATIONS

- Power supply: 220V-240V/50Hz.
- Output per relay: 3(2)A, 240V/50Hz.
- Rated impulse voltage: 4000V.
- Micro disconnection: Type 1B.
- Pollution degree: 2.
- Automatic action: 100,000 cycles.
- Class II.

Environment:

- **Operation temperature:** 0°C to +40°C.

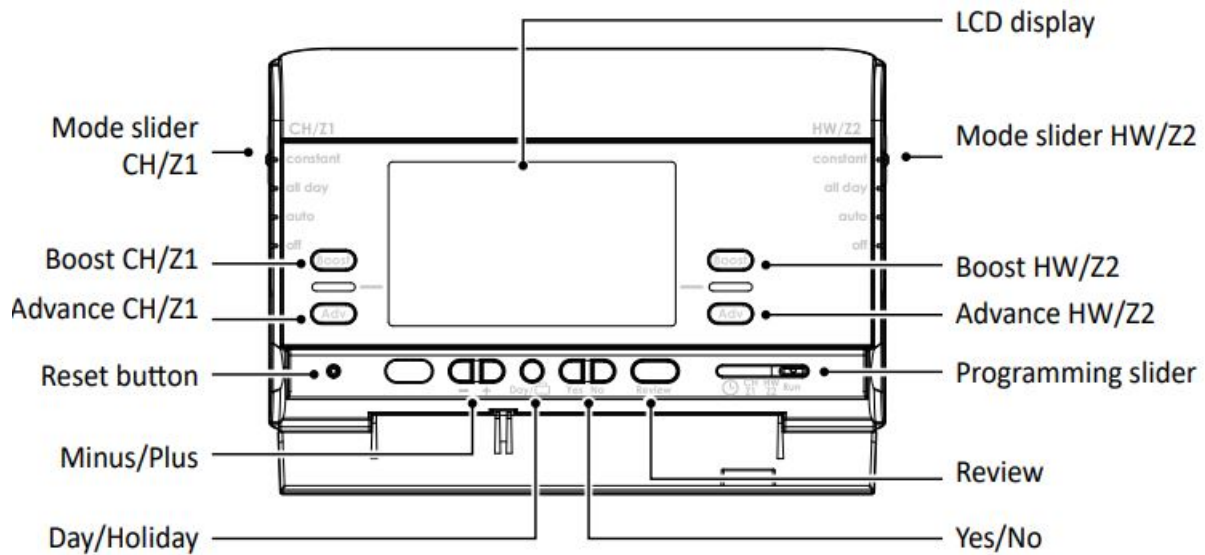
- **Storage temperature:** from -20°C to +60°C.
- **Humidity:** 80% at +25°C (without condensation)
- **Protection rating:** IP30.
- **UKCA declaration of conformity:** We, Neomitis Ltd, hereby declare under our sole responsibility that the products described in these instructions comply with statutory instruments 2016 No.1101 (Electrical Equipment safety Regulations), , 2016 No.1091 (Electromagnetic Compatibility Regulations) , 2012 n°3032 (ROHS) and following designated standards:
 - 2016 No.1101 (Safety): EN 60730-1:2011, EN 60730-2-7:2010/
 - AC:2011, EN 60730-2-9:2010, EN 62311:2008
 - 2016 No.1091 (EMC): EN 60730-1:2011 / EN 60730-2-7:2010/AC:2011 / EN 60730-2-9:2010
 - 2012 n°3032 (ROHS): EN IEC 63000:2018
- **Neomitis Ltd:** 16 Great Queen Street, Covent Garden, London, WC2B 5AH UNITED KINGDOM – contactuk@neomitis.com
- **EU declaration of conformity:** We, Imhotep Creation, hereby declare under our sole responsibility that the products described in these instructions comply with the provisions of Directives and harmonized standards listed below:
 - Article 3.1a (Safety): EN60730-1:2011/ EN60730-2-7: 2010/EN60730-2-9: 2010/ EN62311:2008
 - Article 3.1b (EMC): EN60730-1:2011/ EN60730-2-7: 2010/ EN60730-2-9: 2010
 - RoHS 2011/65/UE, amended by Directives 2015/863/UE & 2017/2102/UE : EN IEC 63000:2018
 - Imhotep Creation: ZI Montplaisir – 258 Rue du champ de courses – 38780 Pont-Evêque – France – contact@imhotepcreation.com
- Neomitis Ltd and Imhotep Creation belong to Axenco Group.
- The symbol , affixed on the product indicates that you must dispose of it at the end of its useful life at a special recycling point, in accordance with European Directive WEEE 2012/19/EU. If you are replacing it, you can also return it to the retailer from which you buy the replacement equipment. Thus, it is not ordinary household waste. Recycling products enables us to protect the environment and to use less natural resources.

OVERVIEW

- Thank you for purchasing our PRG7, 7 day digital programmer.
- It is by listening to your requirements we have created and designed our products to be easy to operate and install.
- It is this ease of operation that is intended to make your life easier and help you save energy and money.

CONTROLS AND DISPLAY

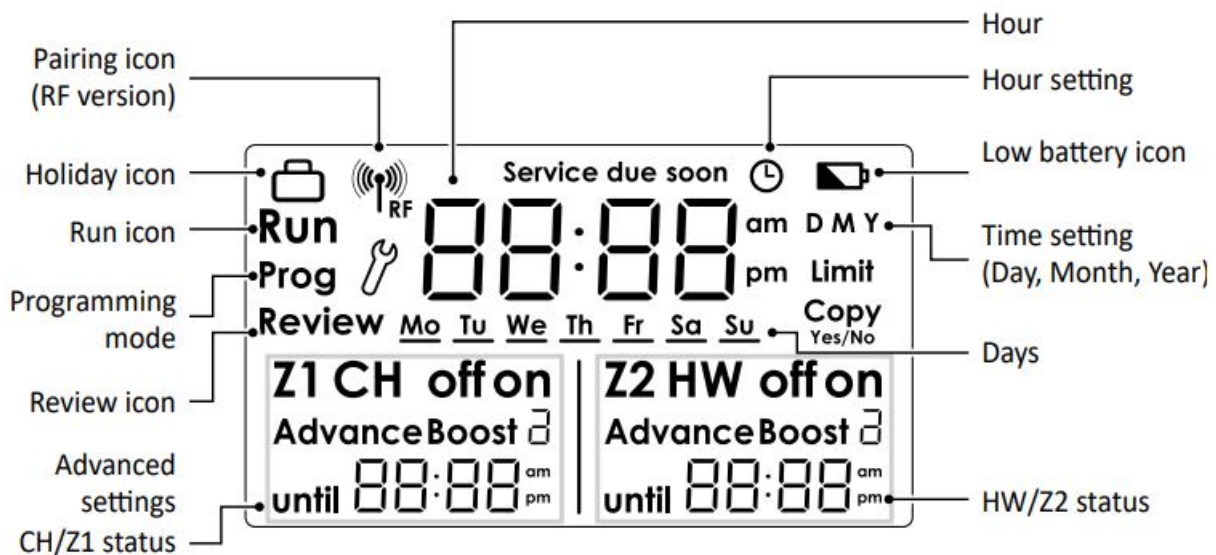
Programmer



Programming sliders sequences:

Time CH/Z1 programming HW/Z2 programming Run

LCD Display




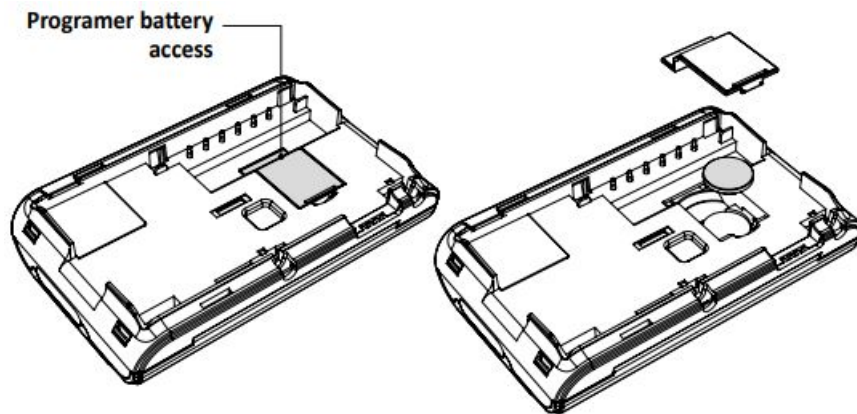
SETTINGS

INITIAL POWER UP

- Switch on the programmer power supply.
 - All symbols will be displayed on the LCD screen as shown for two seconds.
- After 2 seconds, the LCD will show:
 - The default time and day
 - Run icon solid
 - CH and HW systems are OFF



Note: A low battery level indicator  will appear on the display when the battery must be changed. Remember to take used batteries to a battery collection point so they can be recycled.

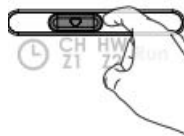


PROGRAMMING

Note: The unit is already set with the correct date and time. Should the programmer need resetting for any reason, please see the instructions on page 3.

SET THE CH/Z1 AND HW/Z2 PROGRAMMING

1. Move the Programming slider to the position. All days of week are solid. Underscore and Yes/No are flashing.



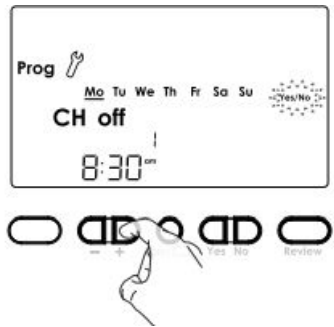
2. Press if you want to set an other day of the week. Underscore moves under the other days. Then press to program the underscored day.



3. Press or to increment/decrement the first On/Off period start time. Then press to confirm.



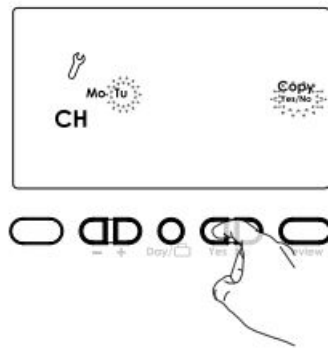
4. Press or to increment/decrement the first On/Off period end time. Then press Yes to confirm.



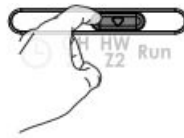
5. Repeat for the second On/Off period and for the third On/Off period. (Please refer to the advanced installer settings on Installation instruction to enable the third On/Off period).

On/Off periods	Default schedule	
Two On/Off periods settings		
Period 1	Start at 06:30 am	End at 08:30 am
Period 2	Start at 05:00 pm	End at 10:00 pm
Three On/Off periods settings		
Period 1	Start at 06:30 am	End at 08:30 am
Period 2	Start at 12:00 pm	End at 02:00 pm
Period 3	Start at 05:00 pm	End at 10:00 pm

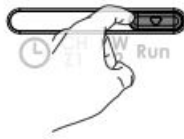
- The current program can be copy to the next days. Press Yes to copy or No to program manually the next day.



- Slide the programming slider to position to confirm and program the second channel.



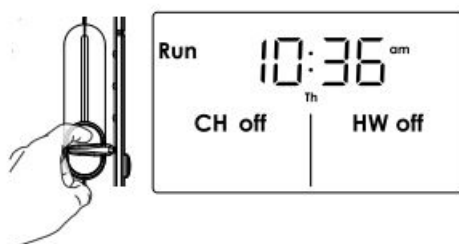
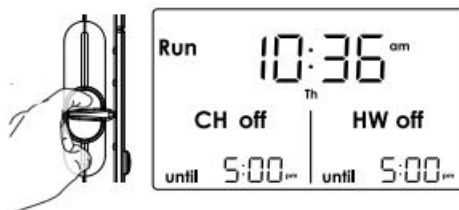
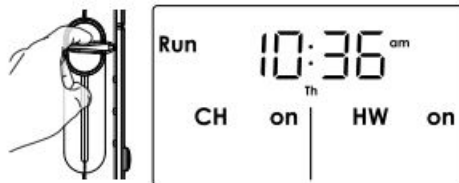
- Repeat the previous step to program On/Off period for HW/Z2.
- When finished, move the program slider to position to confirm.



OPERATING

MODE SELECTION AND DESCRIPTION

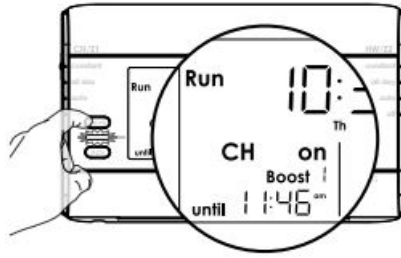
- **Mode sliders sequences for CH/Z1 and HW/Z2:** Constant all day auto off
- **Constant:** Permanent ON mode. The system is permanently turned ON
- **All day:** The system turn ON from the first
- On period start time until the last Off period end time of the current day.
- **Auto:** Automatic mode. The unit is controlling to the programming that have been selected (refer to “Programming” section page 2).
- **Off:** Permanent Off mode. The system stays Off permanently. The boost mode can be still used.



BOOST

BOOST: Boost mode is a temporary mode which allows you to switch ON for 1, 2 or 3 hours. At the end of set

period the device will revert to its prior setting.



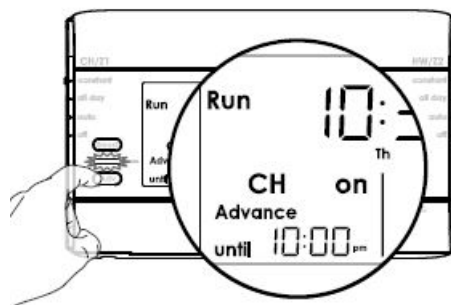
- BOOST will work from any running mode.
- BOOST is entered by pressing button for corresponding system (CH/Z1 or HW/ Z2).
- Press 1 time to set 1 hour, 2 times to set 2 hours and 3 times to set 3 hours.
- BOOST is cancelled by pressing again on Boost or movement of sliders.
- When BOOST is running the end of Boost period is shown for each system.

Note:

- The Programming slider must be in the position.
- There will be a slight delay between pressing and activation of the relay.

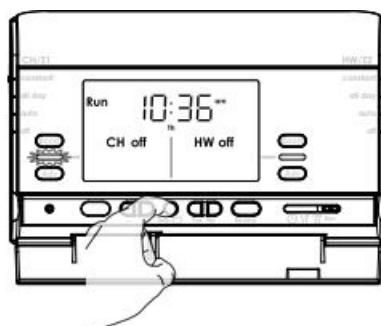
ADVANCE

- **Advance:** advance mode is a temporary mode which allows you to switch ON the system in advance, until the next On/Off period end time.
- Press button of corresponding channel to activate this mode.
- Press again button to disable it before the end.



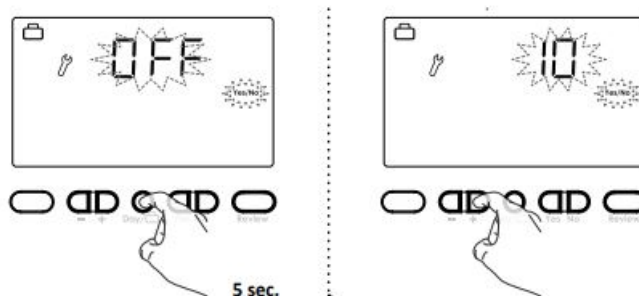
HOLIDAY

- **Holiday:** Holiday mode allows to switch off the heating (or Z1) and hot water (or Z2) for a specified number of days, adjustable between 1 and 99 days.

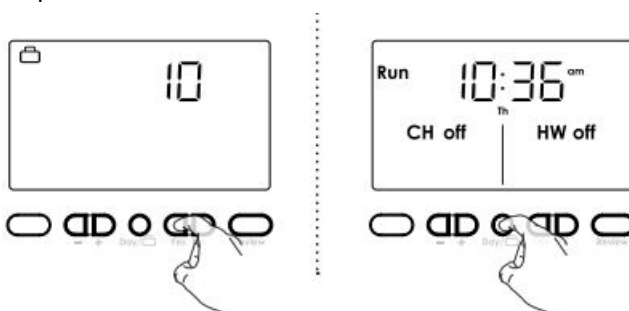


To set the holiday function:

1. Press Day button for 5 seconds.



2. OFF appears on the display. Press or to increment or decrement the number of days.
3. Then press to confirm. the heating (or Z1) and hot water (or Z2) switch Off and the number of remaining days will count down on display.
4. To cancel the holiday function, press button.

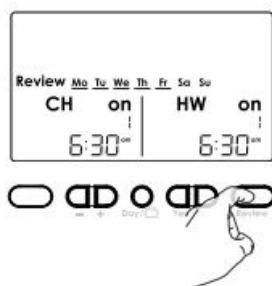


REVIEW

Review: Review mode allows to review all programming in one time. The review starts from the beginning of the week and each steps appears each 2 seconds.

Press the button to start the programming review.

Press again to go back to normal operating mode.



FACTORY SETTINGS

Settings Factory settings

- Two On/Off periods settings
- **Period 1** Start at 06:30 am End at 08:30 am
- **Period 2** Start at 05:00 pm End at 10:00 pm
 - Three On/Off periods settings
- **Period 1** Start at 06:30 am End at 08:30 am
- **Period 2** Start at 12:00 pm End at 02:00 pm


- **Period 3** Start at 05:00 pm End at 10:00 pm

Note: To restore factory settings, press and hold down this part for more than 3 seconds using the tip of a pen.



All LCD displays will be turned ON for 2 seconds and the factory settings will be restored.

SET DATE AND CLOCK

1. Move the Programming slider to the position.  The preset year is solid.




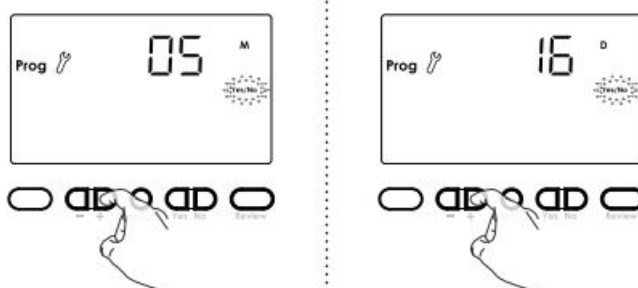
2. To select the current year, press  to increment the year. Press  to decrement the year.



- Press to confirm and set the current month.



3. The preset month appears. Press  to increment the month. Press  to decrement the month.



4. The preset day appears. Press  to increment the day. Press  to decrement the day.

- Press to confirm and set the current day.

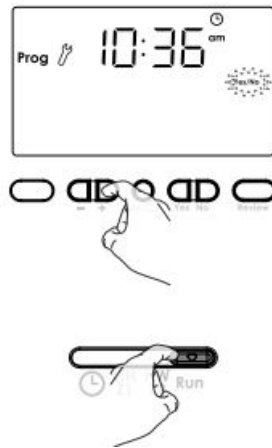


- Press to confirm and set the clock.



- 01 = January ; 02 = February ; 03 = March ; 04 = April ; 05 = May ;
- 06 = June ; 07 = July ; 08 = August ; 09 = September ; 10 = October ;
- 11 = November ; 12 = December

- The preset time appears. Press to increment the time. Press to decrement the time
- Move the program slider to any other position to confirm/finish this setting.



TROUBLESHOOTING

Display disappears on programmer:

- Check fused spur supply.

Heating does not come on:

- If the CH Indicator light is on then it is unlikely to be a fault with the programmer.
- If CH indicator light is NOT ON then check programme then try BOOST as this should operate in any position.
- Check that your room thermostat is calling for heat.
- Check that the boiler is on.
- Check that your pump is working.
- Check that your motorised valve if fitted has opened.

Hot water does not come on:

- If the HW Indicator light is on then it is unlikely to be a fault with the programmer.
- If HW indicator light is NOT ON then check programme then try BOOST as this should operate in any position.
- Check that your Cylinder thermostat is calling for heat.
- Check that the boiler is on.
- Check that your pump is working.
- Check that your motorised valve if fitted has opened.
- If the problem persists contact your installer.

TECHNICAL SPECIFICATIONS

Please refer to the installing instructions for any informations about standards and pro-duct environment.

NOTE

- In some instances the unit may have been set with the service interval function enabled. By Law in rented

accommodation, your gas boiler should be inspected/serviced annual-ly to ensure it is working correctly.

- This option is designed to remind the end user to contact the relevant person to have the annual service carried out on the boiler.
- This function will be enabled and programmed by your Installer, maintenance Engineer, or Landlord.
- If it has been set to do so, the unit will display a message on the screen to remind you that a boiler service is due.
- The Service Due Soon countdown will be indicated up to 50 days before the Service is due to allow time to arrange for an engineer to attend, normal functions will continue during this stage.
- At the end of this service due soon period, the unit will go to Service Due OFF at which point only the 1 hour boost will operate on TMR7 and PRG7, if the unit is a thermostat RT1/RT7, it will operate at 20°C during this hour.
- If PRG7 RF, Thermostat has no function.

WHAT IS A PROGRAMMER ?



an Explanation for Householders. Pro-grammers allow you to set 'On' and 'Off' time periods. Some models switch the central heating and domestic hot water on and off at the same time, while others allow the domestic hot water and heating to come on and go off at different times. Set the 'On' and 'Off' time periods to suit your own lifestyle. On some programmers you must also set whether you want the heating and hot water to run continuously, run under the chosen 'On' and 'Off' heating periods, or be permanently off. The time on the programmer must be correct. Some types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British Summer Time. You may be able to temporarily adjust the heating programme, for example, 'Advance', or 'Boost'. These are explained in the manufacturer's instructions. The heating will not work if the room thermostat has switched the heating off. And, if you have a hot-water cylinder, the water heating will not work if the cylinder thermostat detects that the hot water has reached the correct temperature.

- www.neomitis.com

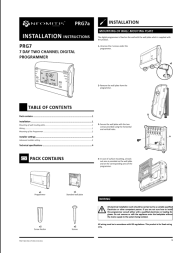


- NEOMITIS® LIMITED – 16 Great Queen Street, Covent Garden, London, WC2B 5AH UNITED KINGDOM

Registered in England and Wales No: 9543404

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- Registered trademarks – All rights reserved

Documents / Resources

	<p>NEOMITIS PRG7 7 Day Two Channel Digital Programmer [pdf] Instruction Manual PRG7 7 Day Two Channel Digital Programmer, PRG7, 7 Day Two Channel Digital Programmer, Two Channel Digital Programmer, Digital Programmer, Programmer</p>
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Manuals+.