

QUICK START GUIDE

ModuMax mk4

97 116 147 196 254

Modules

Natural Gas I_{2H}

LPG Propane I_{3P}

IMPORTANT NOTE
THESE INSTRUCTIONS MUST BE READ
AND UNDERSTOOD BEFORE INSTALLING,
COMMISSIONING, OPERATING OR
SERVICING EQUIPMENT



04/2026
240959 A03



Technical Enquiries

To supplement the detailed technical brochures, technical advice on the application and use of products in the Hamworthy Heating range is available from our technical team and our accredited agents.

Customer After Sales Services

Telephone: 03330 040395

E-mail: service@hamworthy-heating.com

ModuMax mk4

97, 116, 147, 196 & 254

- **This is a quick guide for initial set-up only.**
- **Please refer to the Installation, Commissioning and Servicing Instructions and Full Controls Guide manuals supplied with the product for detailed product information.**

LITERATURE SYMBOLS

 **WARNING: Risk of injury or death.**

 **CAUTION: Risk of damage to objects.**

 **IMPORTANT: Notes to make you aware.**

CONTENTS

1.0	INSTRUCTIONS FOR USE	4	7.0	SERVICING	6
2.0	TO CHANGE CONTROL METHOD.....	5			
3.0	LIGHTING INSTRUCTIONS.....	5			
4.0	TO SET TIME AND DATE.....	6			
5.0	ADDITIONAL SAFETY ADVICE.....	6			
6.0	CLEANING	6			

FIGURES

Fig 1.	HMI and Functions	4
--------	-------------------------	---

1.0 INSTRUCTIONS FOR USE

Note. This boiler is for use only on Natural Gas (2nd Family) I2H or LPG Propane I3P.

This appliance can be operated by children aged 8 and older, as well as individuals with varying physical, sensory, or cognitive abilities, or those lacking experience and knowledge, provided they are supervised or instructed on the safe use of the appliance and understand the associated risks.

⚠ WARNING: All installations MUST conform to the relevant Gas Safety and Building Regulations. It is law that all gas appliances are installed and maintained by competent persons in accordance with the above regulations. This appliance must only be used for the purpose and under the conditions, for which it is designed.

The boiler condense outlet shall not be modified or blocked. Electrical supply to the boiler MUST be suitably earthed.

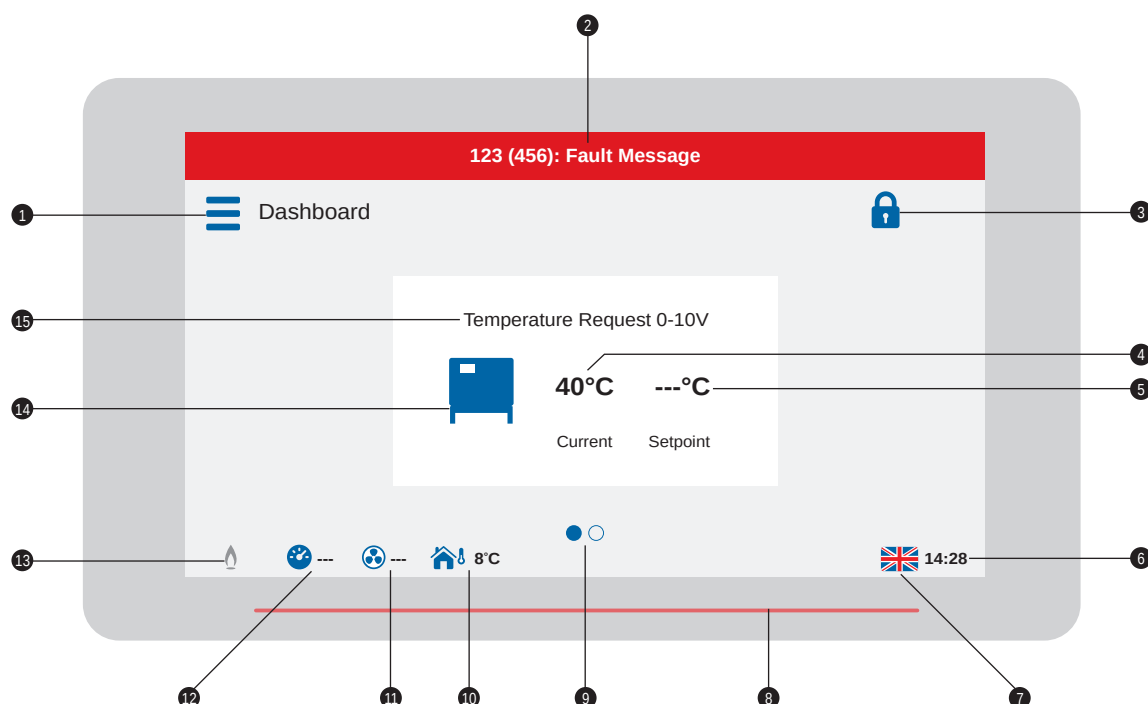


Fig 1. HMI and Functions

Key	Function
1	Menu Icon - Press to access further options
2	Fault Banner - Only shown in the event of a fault
3	Access Level Icon
4	Current Temperature of the appliance
5	Setpoint Temperature of the appliance
6	Current Time
7	Current Language (English)
8	Light Indicator Bar - Red = Fault, White = Standby, Green = Operating
9	Home Page Indicator
10	Current Outside Temperature
11	Current Fan Speed "----" shown in Fault or Standby mode
12	Current Boiler Output "----" shown in Fault or Standby mode
13	Flame Status - Orange = Flame Detected, Grey = No Flame Detected
14	Boiler Demand Status - Blue = No Active Demand, Orange = Active Demand
15	Current Boiler Control Method - Default is 0-10V Temperature control via H1 Input

The boiler display screen provides various levels of access to view and change the performance parameters of the boiler.

The access level can be changed by pressing the Access Level icon (3) to open the Access Level page and entering the correct Access Level Code using the keypad.

The User can change parameters relating to time clock, boiler program timings and boiler temperature setpoint.

Should a lockout occur, a code will be displayed in the Fault Banner (2) and the Status Indicator Light Bar (8) will flash red.

If the fault is a Lockout fault, it must be first corrected before a reset can be carried out. To reset the Fault, press the Fault Banner (2) to open the Error Status page and press the "Reset" key located in the bottom right corner of the display. If the fault is a Blocking fault, the appliance will return to normal operation without a reset, after the fault has cleared automatically.

① Should a fault code appear which cannot be reset, or a fault code repeatedly occurs, contact Hamworthy Heating for assistance. Do not continue to operate or use the boiler as this may cause damage to the controls.

2.0 TO CHANGE CONTROL METHOD

The Default control method for the Modumax mk4 appliance is a 0-10V Temperature Demand on H1, using a 0-10V Signal.

To create the Demand, an appropriate voltage between 0.2V and 10V needs to be applied to H1.

To stop the Demand, a voltage less than 0.15V needs to be applied to H1.

To Change the control method to a Fixed Temperature Demand, first change the access level to "Installer Level" then follow the instructions below.

Press the Menu icon (1) to open the Menu page.

Press the Parameter List option to open the Parameter List page.

Press the Configuration option to open the Configuration page.

Scroll down to Parameter 5950 and press to open the Function Input H1 page.

Using the drop-down box select the "Fixed Temperature Demand" option then press the "Write" key located in the bottom right corner of the display.

To create the Demand, the H1 Contacts need to be CLOSED.

To Stop the Demand the H1 Contacts need to be OPENED.

To Change the control method Variable Output Demand, first change the access level to "Installer Level" then follow the instructions below.

Press the Menu icon (1) to open the Menu page.

Press the Parameter List option to open the Parameter List page.

Press the Configuration option to open the Configuration page.

Scroll down to Parameter 5950 and press to open the Function Input H1 page.

Using the drop-down box select the "Output Request 0-10V" option then press the "Write" key located in the bottom right corner of the display.

To create the Demand an appropriate voltage between 0-10V needs to be applied to H1.

To Stop the Demand 0V needs to be applied to H1.

3.0 LIGHTING INSTRUCTIONS

Carry out the following procedure for each boiler. Ensure the electrical mains supply to the boiler module is switched on and that any external controls are calling for heat using the selected signal on H1.

① If Boiler Start-up Sequence does not begin, check all external controls and safety interlock is correct.

4.0 TO SET TIME AND DATE

To Change the Time & Date press the Menu icon (1) to open the Menu page.

Press the HMI Settings option to open the HMI Settings page.

To change the date, select the Date field to open the Date page and use the calendar to select the date required and then press the "Write" key located in the bottom right corner of the display.

To change the time, select the Time field to open the Time page and scroll the hour field and/or minute field to select the time required and then press the "Write" key located in the bottom right corner of the display.

5.0 ADDITIONAL SAFETY ADVICE

1. Do not block or obstruct ventilation grilles.
2. Do not block or modify the condensate discharge.
3. If at any time a gas leak is suspected, turn OFF the gas supply - DO NOT use a naked flame - contact your nearest Gas Board immediately. Generally their telephone number can be located under GAS in your local telephone directory.
4. If you consider the boiler to be malfunctioning, turn it OFF and seek expert advice.
5. To ensure safe and efficient operation at all times, it is essential that the boiler is serviced regularly. Contact your installer or Hamworthy Heating Ltd. for advice.
6. Do not attempt to fire the boiler without first checking for correct water circulation. Consult the Installation Manual for information.

6.0 CLEANING

To keep the casing clean wipe with a damp cloth, do not use abrasive cleaning materials. DO NOT use jets or sprays of water when cleaning area around boiler module controls fascia.

Note. When cleaning the casing take care not to touch the flue of the appliance as this could be at a very high temperature and contact could cause injury.

7.0 SERVICING

This appliance should be serviced on an annual basis, preferably by a Hamworthy appointed person. List of Common Error codes.

Error

- 10 Outside Temperature Sensor Fault
- 20 Flow Temperature Sensor Fault
- 40 Return Temperature Sensor Fault
- 26 Header Temperature Sensor Fault
- 28 Flue Temperature Sensor Fault
- 50 DHW Temperature Sensor Fault
- 60 Room 1 Temperature Sensor Fault
- 65 Room 2 Temperature Sensor Fault
- 68 Room 3 Temperature Sensor Fault
- 82 LPB address collision
- 83 BSB HMI/Expansion Module Communications Fault
- 98 Extension module 1, Fault
- 99 Extension module 2, Fault
- 110 Overheat Stat/Boiler Overheat Fault
- 128 Loss of flame during operation Fault
- 132 Gas pressure Fault
- 133 Ignition Fault
- 151 PCB Fault
- 162 Condensate APS Fault
- 384 False Flame Fault
- 385 Mains undervoltage

Please refer to the Installation, Commissioning and Servicing Instructions manual.

NOTES

Hamworthy Heating Accredited Agents

Southern Ireland (Sales & Service)

HEVAC Limited, Naas Road, Dublin 12 Ireland

T: 00 353 141 91919

E: info@hevac.ie

Scotland (Sales & Service)

McDowall Modular Services

2 Penson Road, Queenslie Industrial Estate, Glasgow, G33 4AG

T: 0141 336 8795

E: MMS@hamworthy-heating.com

Hamworthy Heating Customer Service Centre

Sales

T: 01202 662552 | E: sales@hamworthy-heating.com

Technical Enquiries

T: 01202 662552 | E: technical@hamworthy-heating.com

Servicing

T: 03330 040395 | E: service@hamworthy-heating.com

Spares

T: 01482 498665 | E: spares@hamworthy-heating.com



Hamworthy Heating

PO Box 103

National Avenue

Kingston Upon Hull

HU5 4JN

hamworthy-heating.com

Hamworthy reserves the right to make changes and improvements which may necessitate alteration to the specification without prior notice.