



0-10V PUMP KIT INSTRUCTIONS

IMAX XTRA 2
80 120 160 200 240 280
80P 120P 160P 200P 240P

When replacing any part on this appliance, use only spare parts that you can be assured conform to the safety and performance specification that we require. Do not use reconditioned or copy parts that have not been clearly authorised by Ideal Heating.

For the very latest copy of literature for specification and maintenance practices visit our website idealheating.com where you can download the relevant information in PDF format.



INSTRUCTIONS

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INSTRUCTIONS

1.1 INTRODUCTION

The following document provides instructions on how to install the Imax Xtra 2 PWM to 10V Pump Converter Kit.

1.2 PWM TO 10V PUMP CONVERTER KIT PARTS

The kits consist of the following parts:

1. AGU2.551 - Shown in Fig. 1.
2. PWM to 10V Pump Harness - Shown in Fig. 2.
3. Extra Modules Harness - Shown in Fig. 3.

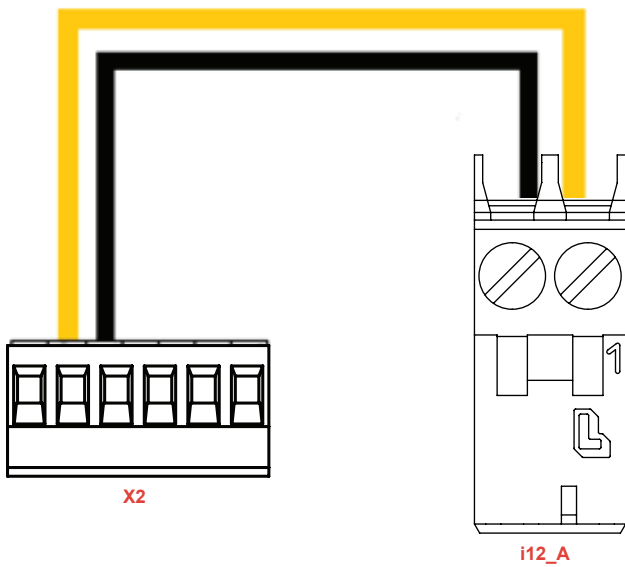


Fig. 2

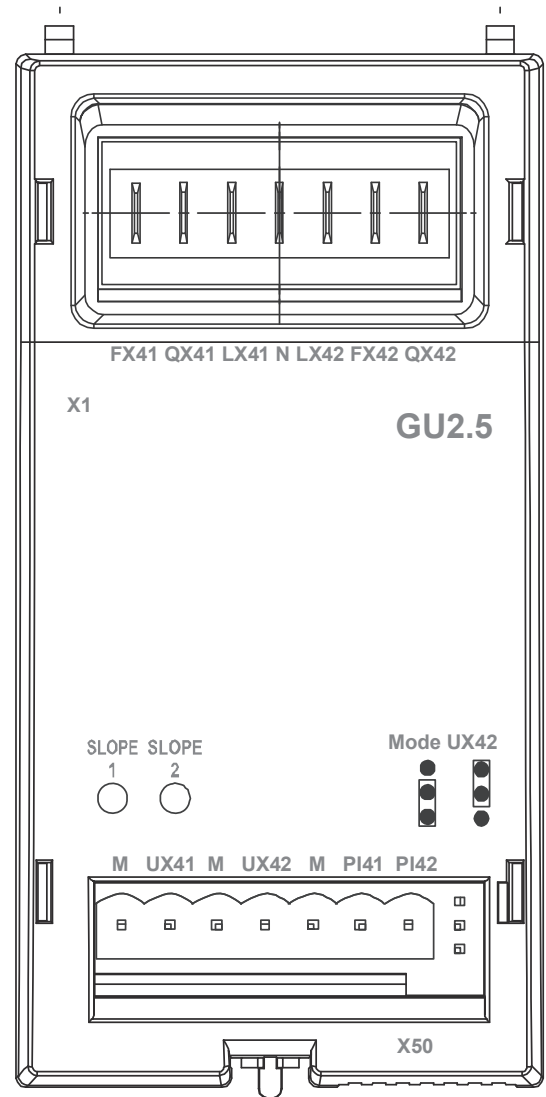


Fig. 1



Fig. 3

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1.3 FITTING THE AGU2.551

Switch off and isolate the electricity supply to the boiler and any external controls.

Fit the AGU2.551 utilising the existing cut-outs in the main control board as shown in Fig 4.

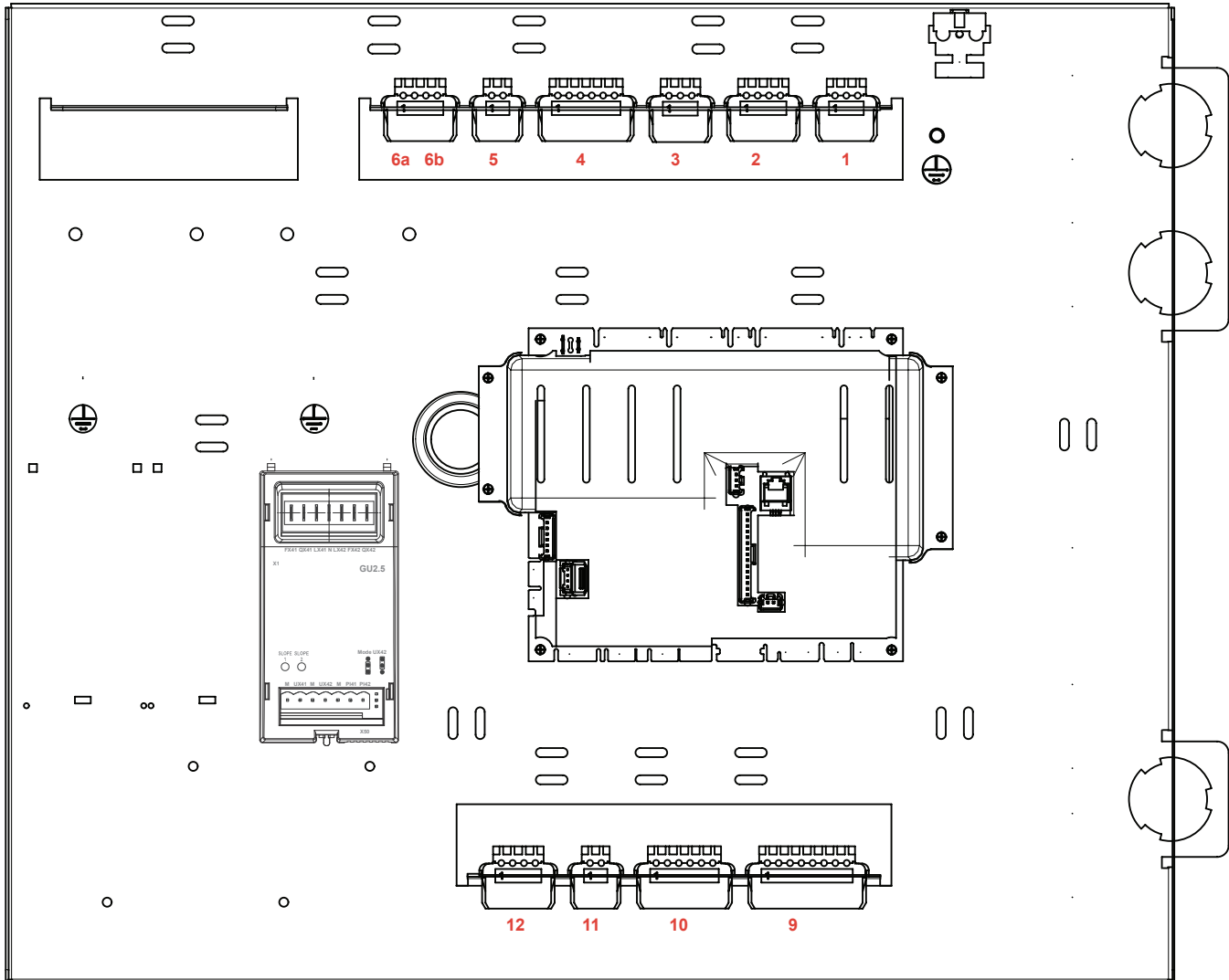


Fig. 4

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1.4 CONNECTING THE EXTRA MODULES HARNESS

Connect the Extra Modules Harness between X50 of the AGU2.551 and X41 of the LMS 14 mini primary control board, as shown in Fig 5.

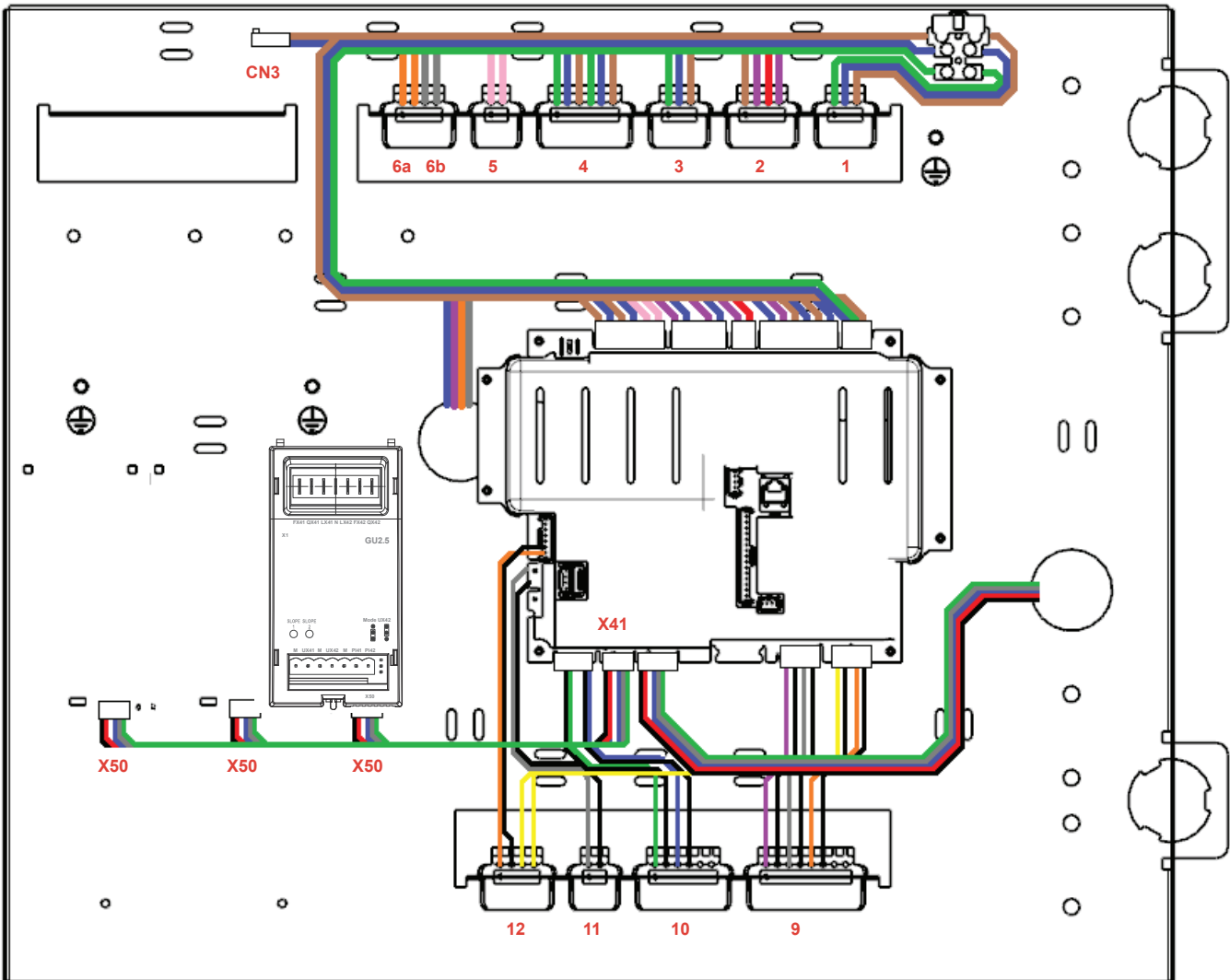


Fig. 5

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1.5 CONNECTING THE PWM TO 10V PUMP HARNESS

Connect the PWM to 10V Pump Harness between installer connector I12 and X2 of the AGU2.551, as shown in Fig 6.

NB You may have to remove the connector I12_CN_A from installer connector I12 if it is already installed.

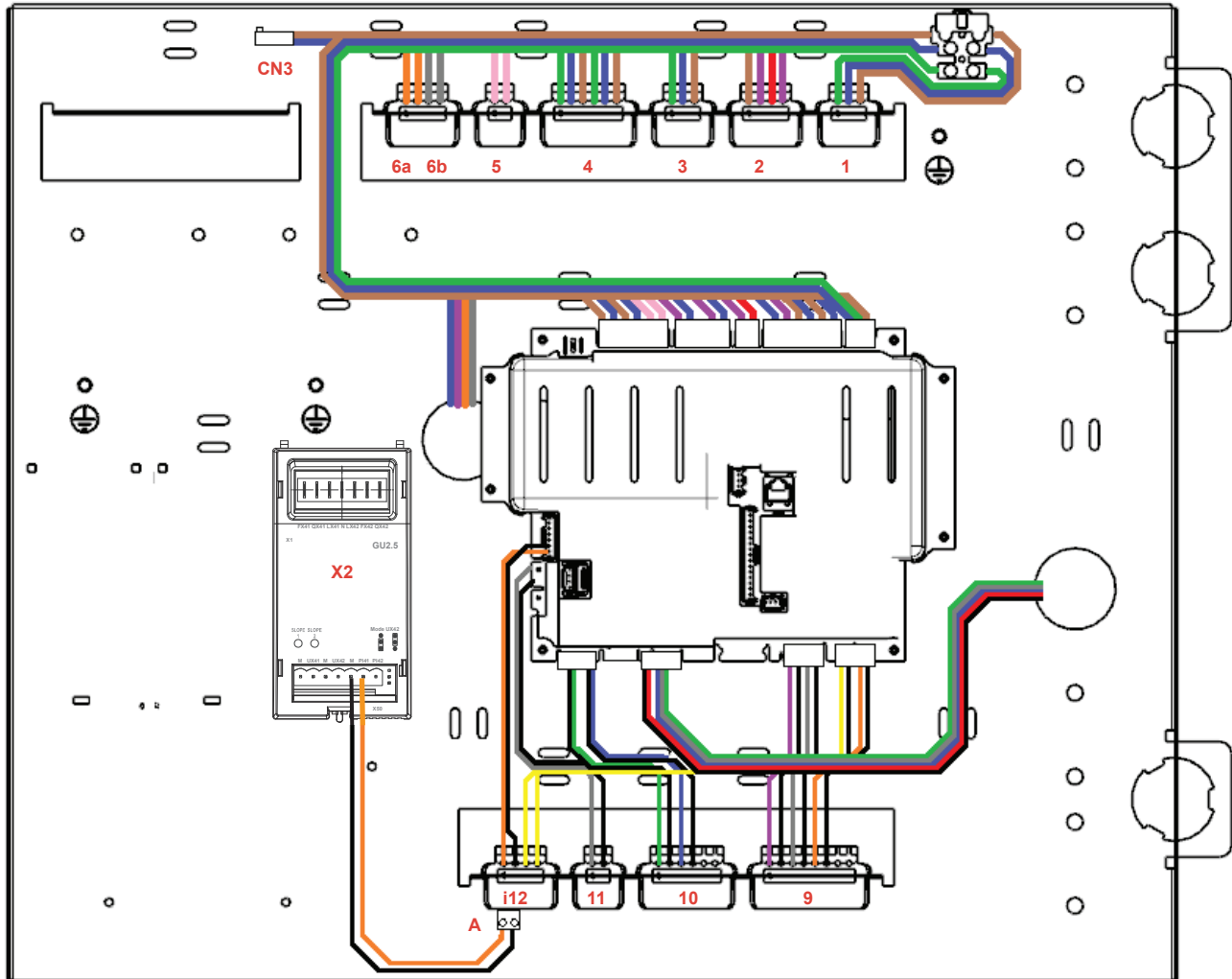


Fig. 6

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1.6 CONNECTING THE PUMP TO THE 0-10V SIGNAL

Connect the Pump Ground signal to pin 1 of the X2 Connector of AGU2.551 and then connect the 0-10V Pump signal to pin 2 of the X2 Connector of AGU2.551, as shown in Fig 7.

Secure the cables with existing cable retention clamps or cable tie slots that are on the boiler main control panel. Ensure that isolation is maintained relative to mains voltage wiring.

Configuration of the 0-10V pump to the boiler occurs during the configuration process described in the boiler manual.

Note that the 0-10V pump 230V power supply should come directly from a power supply external to the boiler (the boiler pump mains connection on the boiler cannot directly switch the current that 0-10V pumps require).

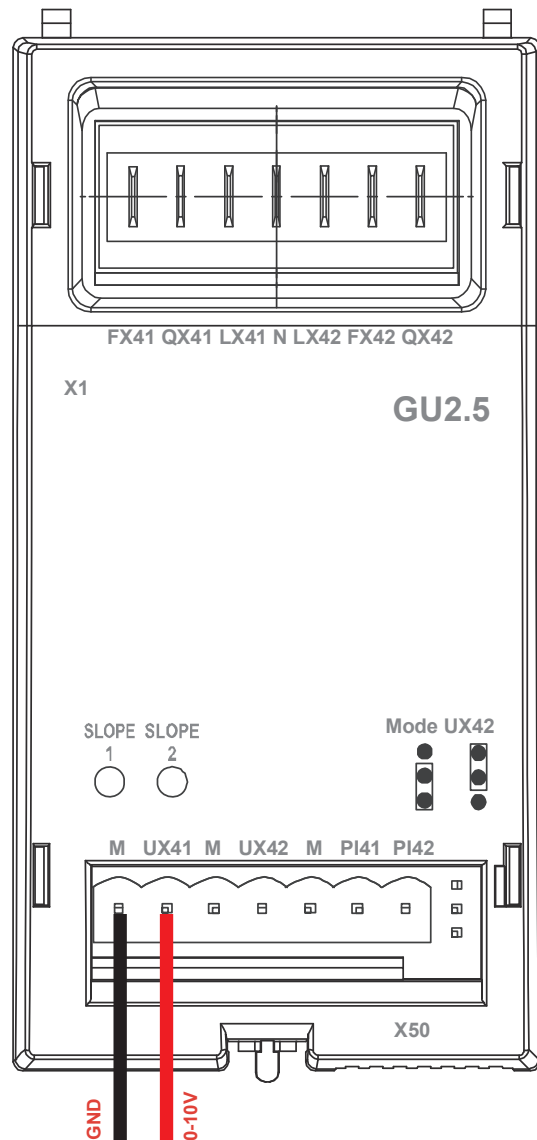
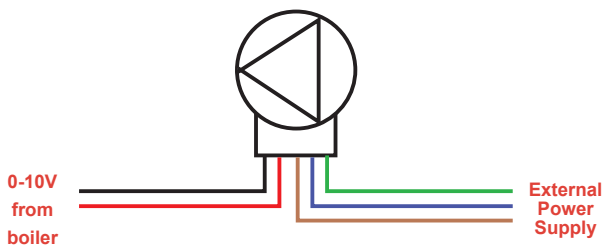
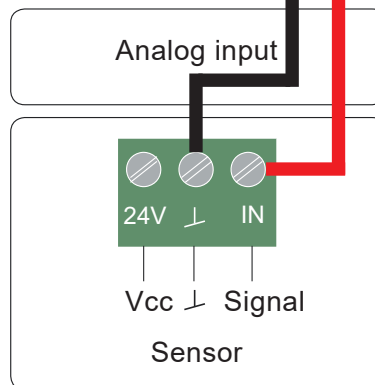



Fig. 7



On first start-up of the Magna3 pump apply the following settings:

1. Language
 - English
2. Setting of the pump
 - External Speed Control
 - 0-10V Input
 - Linear with stop





WEEE DIRECTIVE 2012/19/EU
Waste Electrical and Electronic Equipment Directive

- At the end of the product life, dispose of the packaging and product in a corresponding recycle centre.
- Do not dispose of the unit with the usual domestic refuse.
- Do not burn the product.
- Remove the batteries.
- Dispose of the batteries according to the local statutory requirements and not with the usual domestic refuse.



The code of practice for the installation, commissioning & servicing of central heating systems

At Ideal Heating we take our environmental impact seriously, therefore when installing any Ideal Heating product please make sure to dispose of any previous appliance in an environmentally conscious manner. Households can contact their local authority to find out how. See <https://www.gov.uk/managing-your-waste-an-overview> for guidance on how to efficiently recycle your business waste.

Technical Training

Our Expert Academy offer a range of training options designed and delivered by our experts in heating. For details please contact: expert-academy.co.uk

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