ideal HEATING

STRAP-ON SENSOR 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.

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1.1 INTRODUCTION

The following document provides instructions on how to fit the strap-on sensor kit for temperature measurement of either a Hot Water Cylinder, Header or Heating Circuit.

1.2 STRAP ON SENSOR KIT PARTS

The kits consist of the following parts:

1. Strap-on Sensor - Shown in Fig. 1.

2. Sensors Connector Kit - Shown in Fig. 2.

Fig. 1

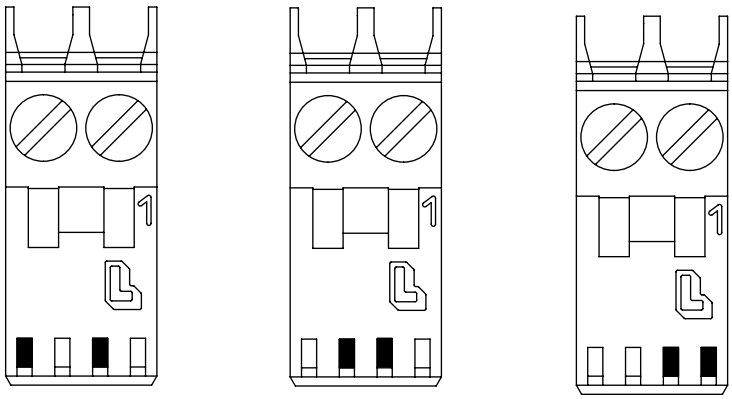

Fig. 2

1.3 CONNECTING THE HOT WATER SENSOR

Determine the position for the sensor within the Hot Water Cylinder that it needs to control. Install the sensor and secure it using the strap. Connect the DHW sensor wiring to connector I9_CN_A as follows. This connector is part of the Sensors connector kit:

1. Connect the DHW Sensor+ wire to pin 1 of connector I9_CN_A.
2. Connect the DHW Sensor- wire to pin 2 of connector I9_CN_A.

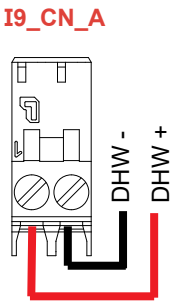

Fig. 3

These connections are shown Fig. 3.

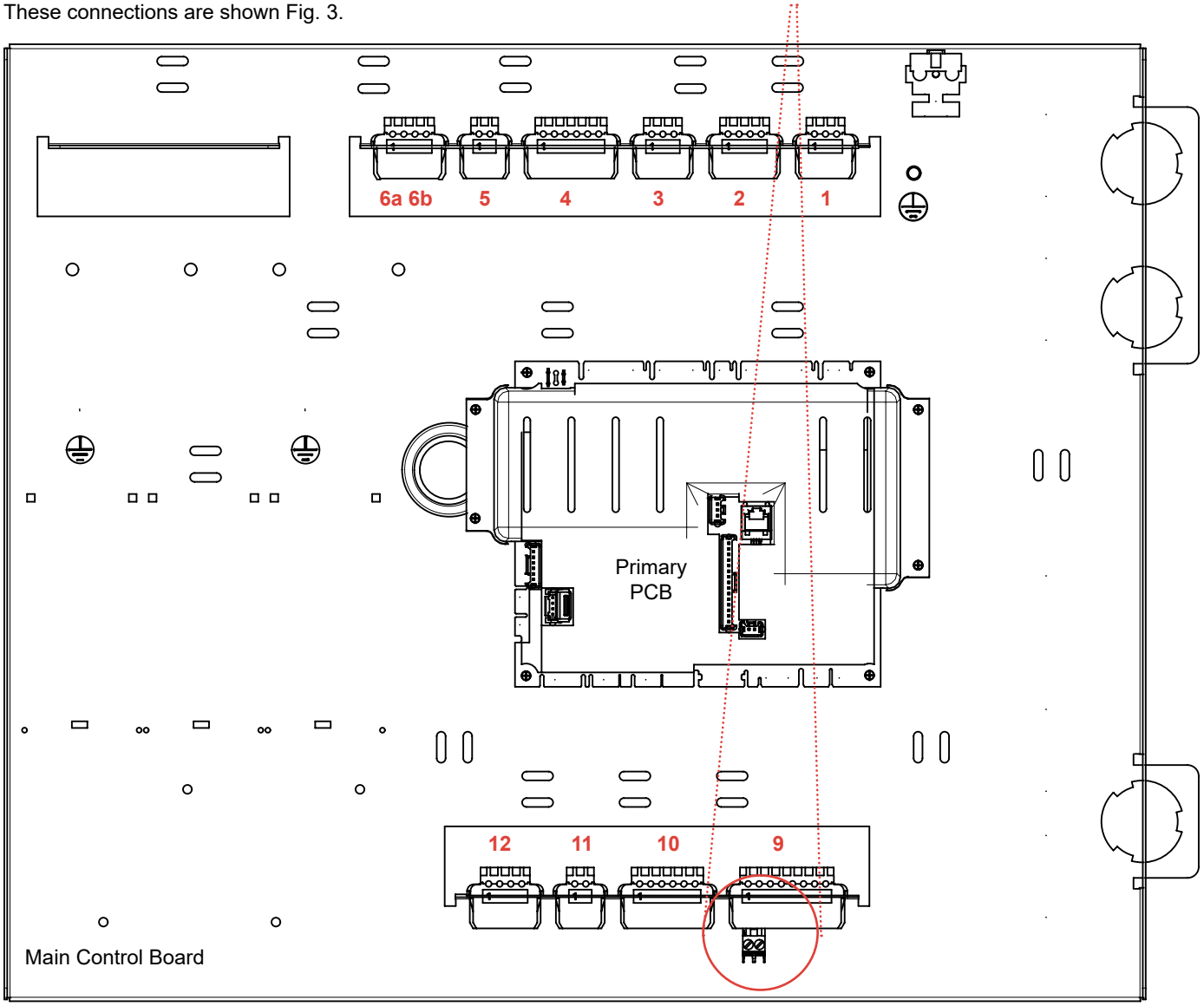

Fig. 4

Insert connector I9_CN_A into Installer connector I9, as shown in Fig. 4.

Refer to the boiler manual for cable routing into the boiler. Secure the cables with the existing cable retention clamps or cable tie slots that are on the boiler main control panel. Ensure that isolation is maintained relative to 240V wiring. The boiler will automatically configure for outside sensor control when it is powered up again.

Configuration of the sensor to the boiler occurs during the configuration process described in the boiler manual.

1.4 CONNECTING THE HEADER SENSOR

The header sensor must be positioned on the secondary flow, as close to the mixing header, combined flow header or plate heat exchanger which it will need to control.

Install the sensor and secure it using the strap. Connect the Header sensor wiring to connector I9_CN_C as follows. This connector is part of the Sensors connector kit.

1. Connect the Header Sensor+ wire to pin 1 of connector I9_CN_C.
2. Connect the Header Sensor- wire to pin 2 of connector I9_CN_C.

These connections are shown Fig. 5.

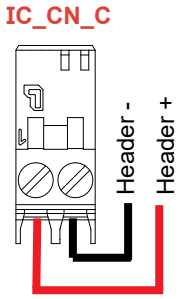

Fig. 5

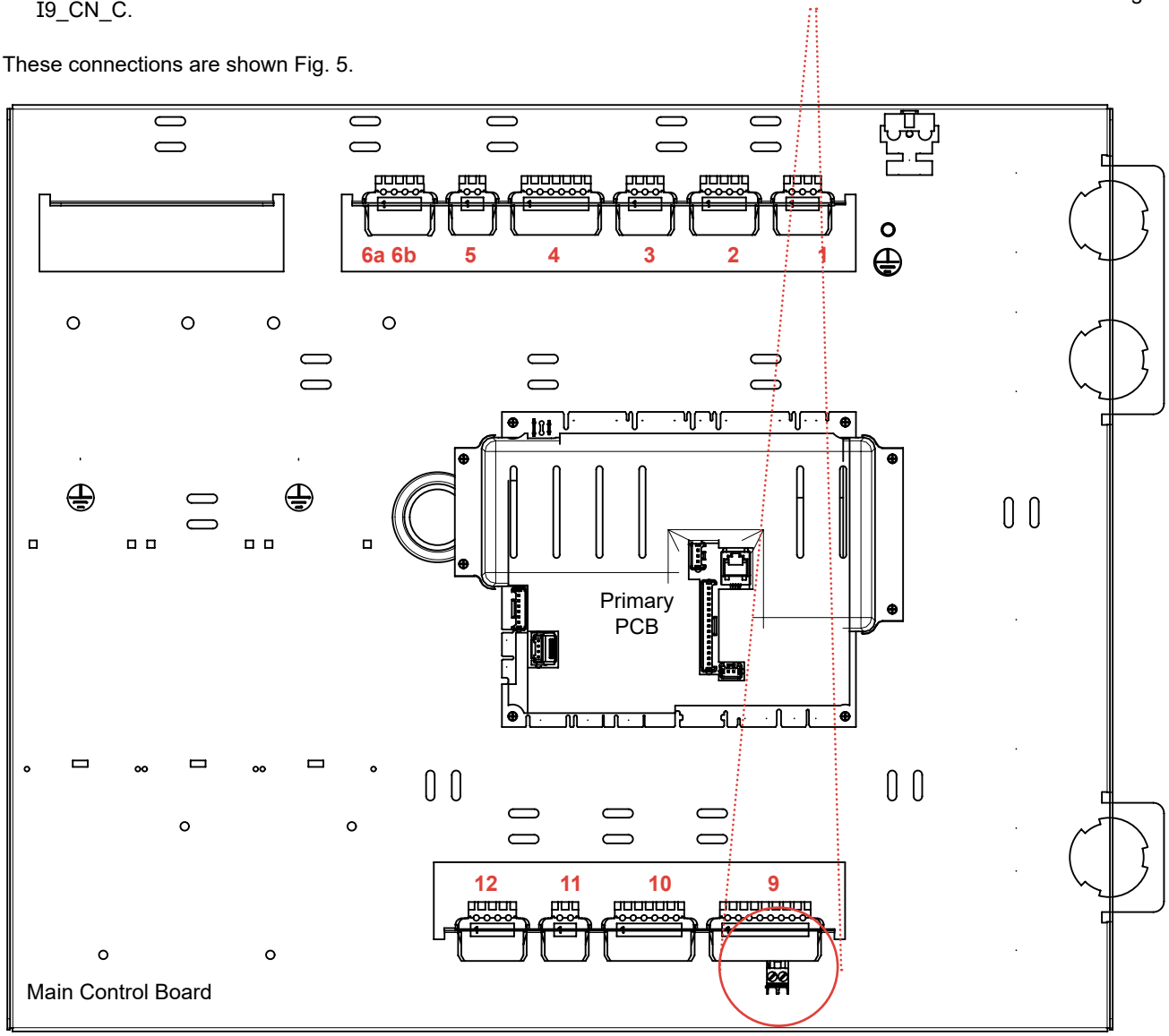

Fig. 6

Insert connector I9_CN_C into Installer connector I9, as shown in Fig. 6.

Refer to the boiler manual for cable routing into the boiler. 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 240V wiring. The boiler will automatically configure for the header sensor control when it is powered up again.

Configuration of the sensor to the boiler occurs during the configuration process described in the boiler manual.

1.5 CONNECTING THE HEAT CIRCUIT FLOW SENSOR

Please note that a Single Heating Circuit Kit (UIN 225389), or Dual Heating Circuit Kit (UIN 225390) is required for this application. Determine the position for the sensor within the heating circuit it will need to control.

Install the sensor and secure using the strap and connect the Heat Circuit Flow sensor wiring to to connector X2 as follows:

1. Connect the Heat Circuit Sensor+ wire to pin 3 of connector X2.
2. Connect the Heat Circuit Sensor- wire to pin 2 of connector X2.

These connections are shown Fig. 7.

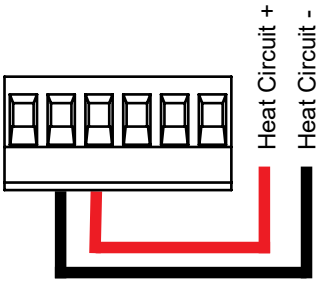

Fig. 7

Insert connector X2 into the AGU2.550, as shown in Fig. 8.

Refer to the boiler manual for cable routing into the boiler. 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 240V wiring. The boiler will automatically configure for the header sensor control when it is powered up again.

Configuration of the sensor to the boiler occurs during the configuration process described in the boiler manual.

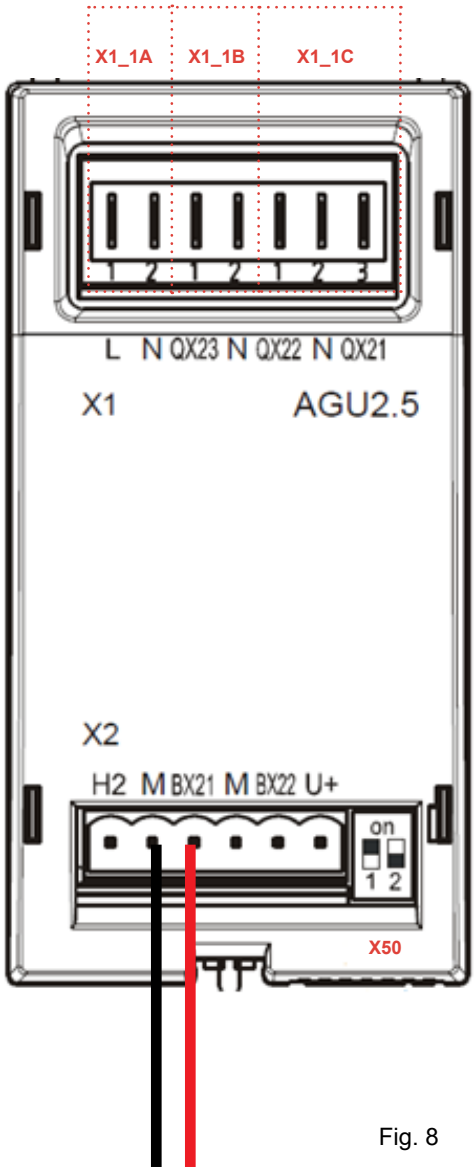

Fig. 8

NOTES

WEEE DIRECTIVE 2012/19/EC
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.

CE

FM 59915

Manufactured under an ISO 9001 registered quality management system

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.

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For details please contact:
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