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HEATING
NORTH AMERICA

iAssist

Wi-Fi Module 21

Installation Guide

SAFETY

The Wi-Fi Module 21 Kit must be installed by a qualified person with the appropriate safety qualifications. Failure to follow these instructions can damage the product or cause a hazardous condition. These instructions are applicable to The models stated and must not be used with any other make or model of boiler. The product must be installed to all applicable standards. Always isolate the mains supply before installing or working on any components relating to the boiler. Please refer to the boiler installation manual for the full safety instructions .

⚠ **CAUTION:** Electrical Hazard - can cause electrical shock or equipment damage. Disconnect power before beginning installation.

REGULATORY INFORMATION

FCC COMPLIANCE NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications that are not expressly approved by the manufacturer could void the user's authority to operate the equipment.

RF Exposure Information: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm during normal operation.

INDUSTRY CANADA (IC) COMPLIANCE NOTICE

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference.

2. This device must accept any interference, including interference that may cause undesired operation of the device. This Class B digital apparatus complies with Canadian ICES-003.

RF Exposure Statement: This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must be installed to provide a separation distance of at least 8 inches from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

INTRODUCTION

The Wi-Fi Module 21 is used to add Wi-Fi capability to the Instinct Floor Standing boiler. It collects and sends data from the boiler to the cloud via the customers Wi-Fi connection. This data includes information on the boiler's performance and efficiency. It is also used to diagnose boiler faults remotely.
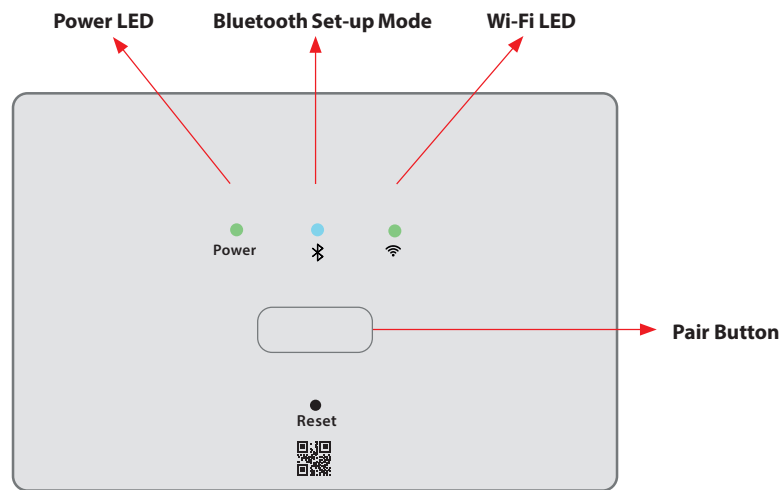
The Wi-Fi Module 21 can also help with predictive maintenance which can identify any issues and problems in advance.

REQUIREMENT CHECKLIST BEFORE PAIRING THE WIFI MODULE 21

Before pairing the Wi-Fi Module 21 ensure you have completed the following:

- Download the iAssist cell phone application: For iOS search for "iAssist" in the App Store For Android search for "iAssist" in the Google Play Store.

- Create an account in the iAssist App.
- Obtain the Customers Home Wi-Fi Network Name (SSID).
- Obtain the Customers Wi-Fi Password.

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Power LED   **Bluetooth Set-up Mode**   **Wi-Fi LED**

Power   *

Pair Button

Reset

PAIRING STEPS

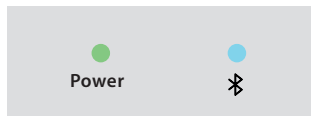### 1.   Locate the Wi-Fi Module 21 in the boiler

LOCATION GUIDELINES

The Module 21 (shown below) connects to the home Wi-Fi network through a Wi-Fi chip. The home Wi-Fi router should be positioned no more than 100ft from the Module 21. If more than 100ft, options are available. Please see troubleshooting (page 4). Where possible avoid directing Wi-Fi communication through metal frames or solid concrete walls.

≤ 100ft (30m)

2.   Connecting the Wi-Fi Module 21 to the customers Wi-Fi
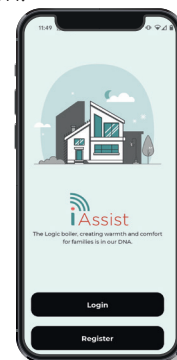
a)   Power on the boiler.

Ensure the Power LED is solid GREEN and Bluetooth Set-up mode LED is flashing BLUE.

Power   *

b)   Launch the iAssist cell phone app.

c)   Follow the on-screen instructions to start the device registration.

iAssist

The Logic boiler, creating warmth and comfort for families is in our DNA.

Login

Register

d)   Once registration is completed ensure the LED status is shown as below.

Power   *

LED KEY

Description	
Power	Green - Power On No Illumination - No Power
Bluetooth Set-up Mode	Blue - Set-up mode enabled; cell phone connected to boiler Blinking Blue - Set-up mode enabled; cell phone not connected to boiler No Illumination - Set-up mode disabled (this will occur after registration is complete)
Wi-Fi	Green - Connected to Wi-Fi (router and cloud) Blue - Connected to the Wi-Fi but no cloud connection Blinking Blue - Establishing connection to Wi-Fi Red - Disconnection from Wi-Fi (after installation) Orange - Factory reset in progress
Button	**Function**
Pair Button	5 Seconds Press - Re-enable bluetooth set-up mode 15 Second Press - Factory reset (Power cycle; resetting all saved settings and connections)
Reset Button	Soft reset (Power cycle; all settings and connections remain intact)

TROUBLESHOOTING

Description	
No Power LED	Please contact customer services
No Bluetooth Set-up Mode LED	Press and hold the "Pair" button for 5 seconds to re-enable bluetooth set-up mode
Red Wi-Fi LED	Ensure the Wi-Fi Module 21 is within range of the homeowners router (100ft/30m). If this is not achievable consider using a Wi-Fi Extender or purchasing the Wi-Fi Module 21 Wall Bracket to move the Wi-Fi Module 21 closer to the router in the property

COMMISSIONING

Description		Confirmed
Ensure the boiler comes on after installation	Boiler display is illuminated	
Check the Wi-Fi Module 21 is functioning correctly	Power LED is illuminated Green	
	Bluetooth Set-up mode LED is OFF (the LED will go out once the Wi-Fi Module 21 is registered)	
	Wi-Fi LED is illuminated Green	
Ensure the module is communicating with the boiler	Using the link provided in the cell phone app, go the installer portal and check to see if the data is being sent to the cloud. For example "Flow Temperature: 75°F"	