

CREATING RELIABLE
PARTNERSHIPS
FOR SOCIAL HOUSING.



WWW.IDEALBOILERS.COM

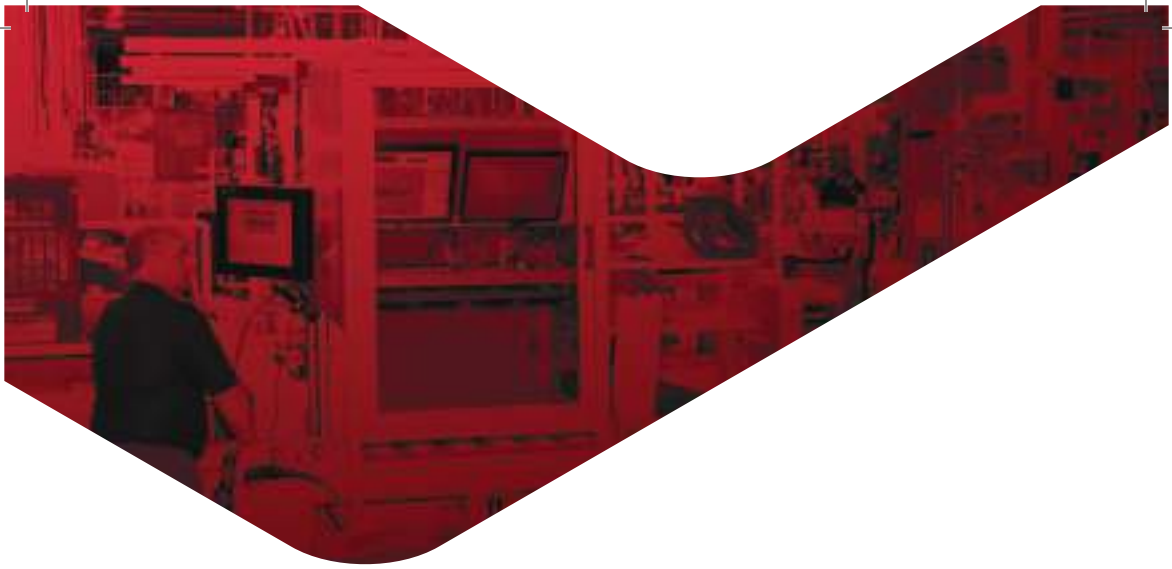
WELCOME TO FIRST CLASS.

OUR AWARD WINNING BOILERS GO THROUGH 200 QUALITY CHECKS BEFORE THEY LEAVE THE FACTORY, AND ARE AVAILABLE WITH A RANGE OF FLEXIBLE WARRANTY OPTIONS. YOU CAN REST ASSURED RELIABILITY IS GUARANTEED WHEN YOU PARTNER WITH IDEAL.



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THE IDEAL PRODUCT RANGE.

Representing the next generation in heating design, the Logic range of boilers offers state-of-the-art technology in a practical, compact unit that fits easily into any standard kitchen cupboard.

Available in a range of outputs, the Logic range comes complete with a flexible parts and labour warranty package.



LOGIC COMBI

Designed to be installed with minimal fuss.

LOGIC SYSTEM

A simple and reliable solution for a wide variety of sealed domestic systems.

LOGIC HEAT

Highly efficient and easy to operate, thanks to straightforward controls featuring a clear digital display.

LOGIC CODE COMBI ESP1

A simple one box solution, capable of supporting up to level 4 of the Code for Sustainable Homes with built in flue gas heat recovery.

LOGIC COMBI ESP1

A high efficiency combination boiler with a competitive SAP efficiency score, particularly beneficial for small, social new build properties.



LOGIC COMBI.

C24 C30 C35

HIGH EFFICIENCY
COMBINATION BOILERS.



Compact



LPG
Conversion Kit*



Frost
Protection



Flue
Variants



NOx
Class 5



Flexible
Warranty



KEY FEATURES

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (starting from 28.9kg)
- Low component count maximising reliability
- Pre-heat function
- 75mm deep translucent condensate siphon
- Fully modulating operation to low outputs
- Automatic bypass
- Four optional language user instructions**
- Visually impaired user fascia option

RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Boiler frost protection
- Built-in, easy to use filling loop
- Simple diverter valve design
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve

EASY TO INSTALL

- Compact cupboard fit
- Fast fix flues
- Wide range of additional flueing options
- Easy access to PRV and AAV
- Preformed copper tails
- Pre-wired mains lead (2m)
- Universal condensate connection
- Stand off kit including piping option
- Compatible with a range of additional controls inc. weather compensation
- LPG conversion kit available for 24 kW & 30 kW boilers

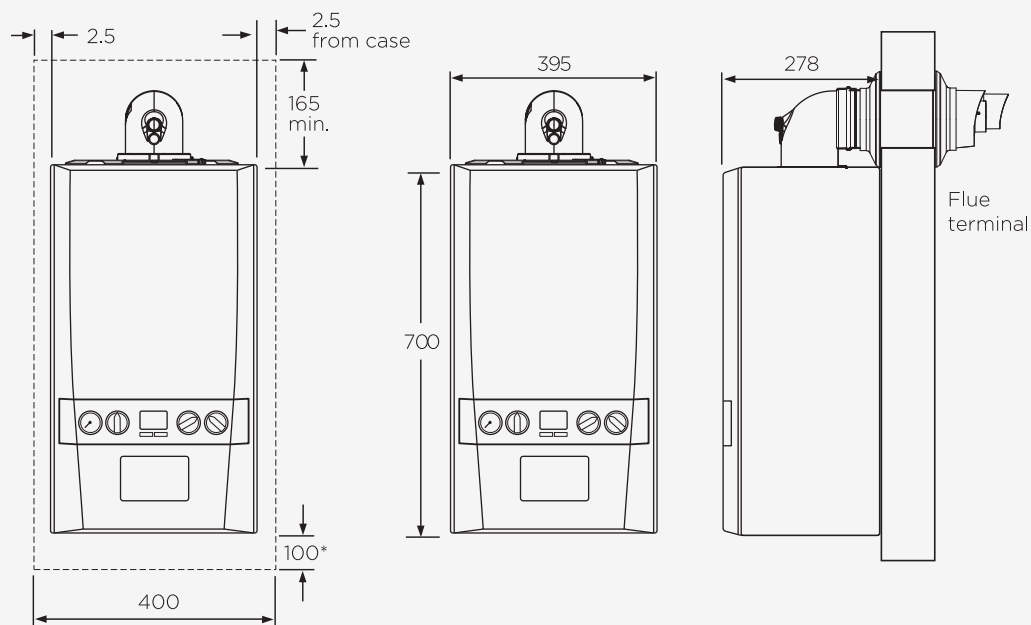
* Available with 24 & 30 kW models.

** Available to download from www.idealboilers.com



CLEARANCES AND DIMENSIONS.

DIMENSIONS IN MM



DIMENSIONS:

Height: 700mm

Width: 395mm

Depth: 278mm

Note: The minimum front clearance when built in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

FLUE LENGTHS.

BOILER MODEL	C24	C30	C35
Max horizontal**	9m	8m	6m
Max vertical**	7.5m	7.5m	7.5m
Powered vertical†	22m	22m	22m

TECHNICAL SPECIFICATION.

BOILER MODEL	C24	C30	C35
Weight (packaged) kg	33.7	33.8	33.9
Max installation weight kg	28.9	29.0	29.1
CH output (kW) min/max mean 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
CH output (kW) min/max mean 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
DHW output (kW) max	24.2	30.3	35.3
DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
SEDBUK rating (2005) %	91.1	91.1	91.1
SEDBUK rating (2009/2012) %	89.6	89.6	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	Yes	Yes	No
Condensing boiler	Yes	Yes	Yes
Seasonal space heating efficiency class	A	A	A
Rated heat output kW	24	24	24
Seasonal space heating energy efficiency η_s %	94	94	94
Sound power level, indoors L _{WA} dB	48	46	44
Water heating energy efficiency class	A	A	A

Available flue extensions 0.5m, 1m and 2m. Multiple flue kits available.

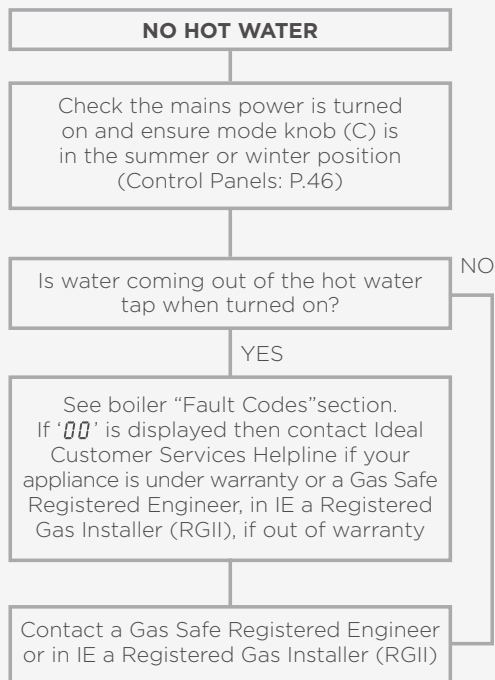
** Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

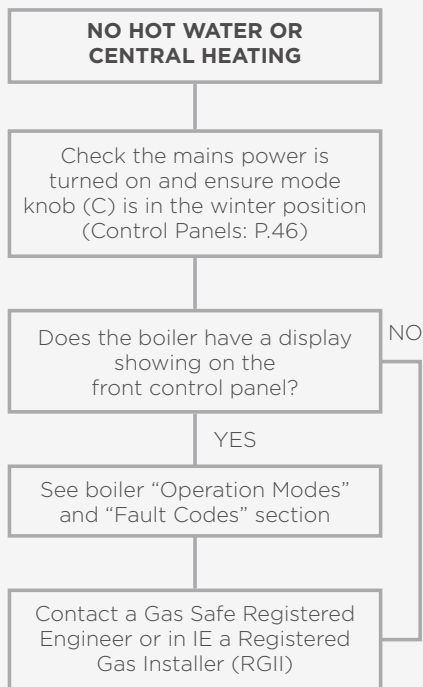
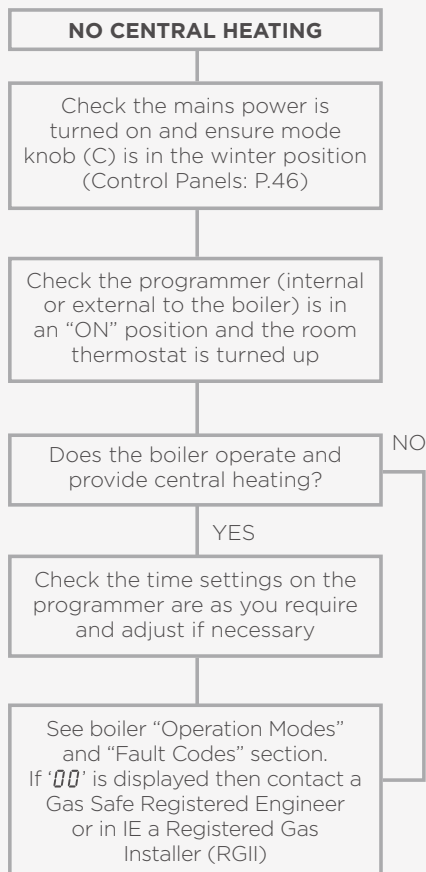
† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

TROUBLESHOOTING.









POINTS FOR THE BOILER USER

Note. In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineer visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.



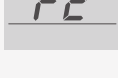





OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating but the appliance has reached the desired temperature set on the boiler.
	The boiler has a call for hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in central heating mode.
	The boiler is operating in hot water mode.
	The boiler is operating in pre-heat mode.
	The boiler is operating in frost mode.
	The boiler mode knob (C) is in the off position, rotate fully clockwise for hot water and central heating operation.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler still fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flame Loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Fan Fault	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Flow Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Return Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Ignition Lockout	1. Check condensate Pipe for blockages (refer to Section 4) 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	False Flame Lockout	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flow/Return Differential > 50°C	If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Diverter Valve in mid-position for service	Rotate all knobs fully clockwise, turn boiler power off and on then press restart

LOGIC SYSTEM.

S15 S18 S24 S30

HIGH EFFICIENCY
SYSTEM BOILERS.



Compact



LPG
Conversion Kit*



Frost
Protection



Flue
Variants



NOx
Class 5



FLEXIBLE
Warranty



KEY FEATURES

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (26.1kg)[†]
- Low component count maximising reliability
- Fully modulating operation down to 4.8 kW**
- Weather compensation kit option

RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Boiler frost protection
- Built-in condensate trap
- Latest generation Honeywell gas valve
- Two stage flame sensing for better reliability

EASY TO INSTALL

- Compact cupboard fit
- Wide range of flueing options
- Concealed pipe connections
- Preformed copper tails
- LPG Conversion kit available*
- Stand off kit and pre-pipe options
- Pre-wired mains lead
- Easy Access to PRV and AAV
- Universal condensate connection

* Available with S30, S24IE & S30IE models.

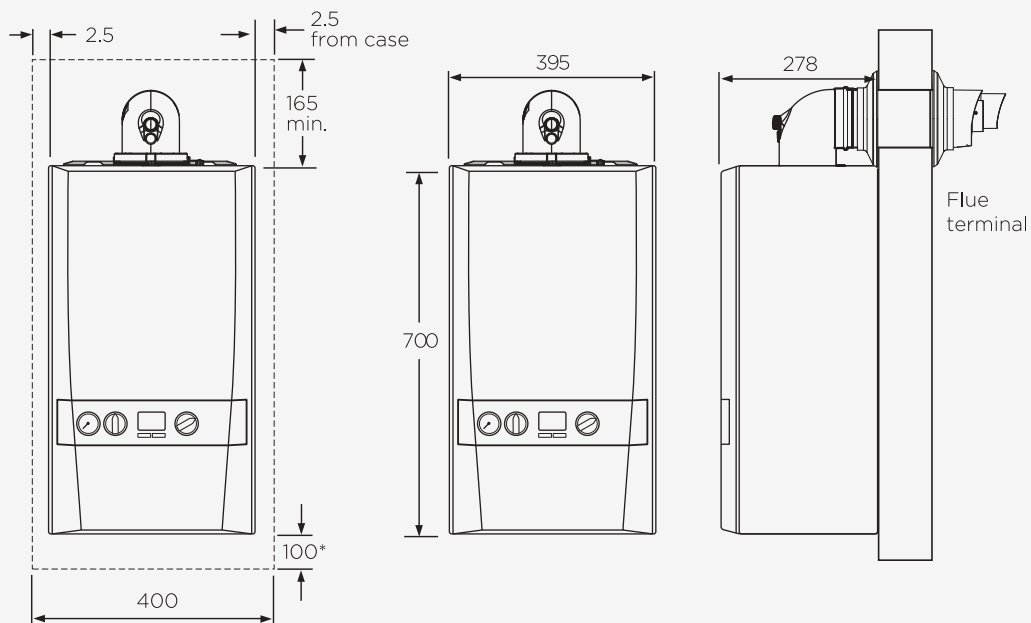
[†] Weight with front panel removed.

** (30 kW only - 6.1 kW).



CLEARANCES AND DIMENSIONS.

DIMENSIONS IN MM



DIMENSIONS:

Height: 700mm

Width: 395mm

Depth: 278mm

Note: The minimum front clearance when built in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

FLUE LENGTHS.

BOILER MODEL	S15	S18
Max horizontal	9m	9m
Max vertical	7.5m	7.5m
Powered vertical	22m	22m

TECHNICAL SPECIFICATION.

BOILER MODEL	S15	S18	S24	S30
Weight (packaged) kg	31.5	31.5	31.5	31.5
Max installation weight kg	26.1	26.1	26.1	26.1
CH output (kW) min/max mean 70°C	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
CH output (kW) min/max mean 40°C	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
DHW output (kW) max	n/a	n/a	n/a	n/a
DHW flow rate l/min. 35°C rise	n/a	n/a	n/a	n/a
SEDBUK rating (2005) %	91.2	91.1	91.2	91.1
SEDBUK rating (2009/2012) %	89.4	89.7	89.7	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	No	No	No	Yes
Condensing boiler	Yes	Yes	Yes	Yes
Seasonal space heating efficiency class	A	A	A	A
Rated heat output kW	15	18	24	30
Seasonal space heating energy efficiency η_s %	93	93	94	93
Sound power level, indoors L _{WA} dB	44	46	48	48
Water heating energy efficiency class	n/a	n/a	n/a	n/a

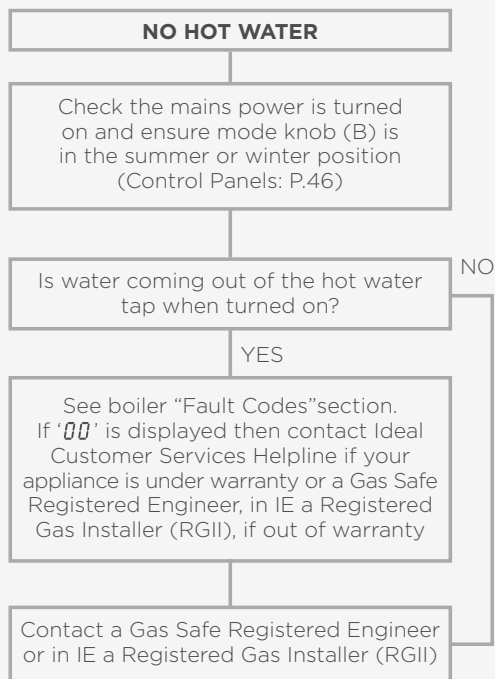
Multiple flue kits available.

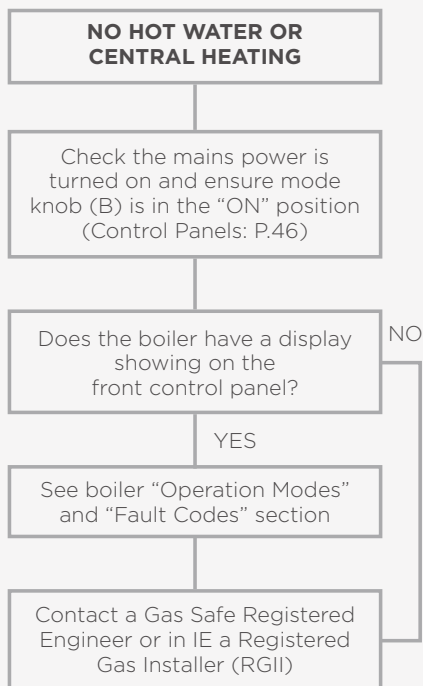
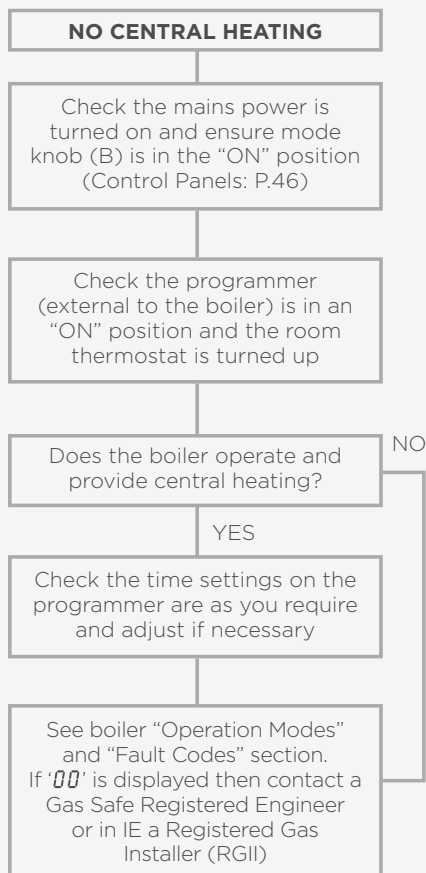
S24	S30
9m	8m
7.5m	7.5m
22m	22m

TROUBLESHOOTING.



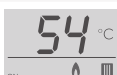


POINTS FOR THE BOILER USER

Note. *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineer visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*


















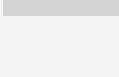

OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for heat but the appliance has reached the desired temperature set on the boiler.
	The boiler is providing heat.
	The boiler is operating in frost protection.
	The boiler mode knob (B) is in the off position, rotate fully clockwise for hot water and central heating operation.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler still fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flame Loss	<ol style="list-style-type: none"> 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Fan Fault	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
 	Flow Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
 	Return Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
 	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Ignition Lockout	1. Check condensate Pipe for blockages (refer to Section 4) 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	False Flame Lockout	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow/Return Differential > 50°C	If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

LOGIC HEAT.

H12 H15 H18 H24 H30

HIGH EFFICIENCY
HEAT BOILERS.



Compact



LPG
Conversion Kit*



Frost
Protection



Flue
Variants



NOx
Class 5



Flexible
Warranty



Direct Rear
Flue



EPC COMPLIANT

KEY FEATURES

- Large backlit display with user friendly controls
- Low lift weight (22.7kg)[†]
- Low component count maximising reliability
- Fully modulating operation down to 4.8 kW^{**}
- Weather compensation kit option
- Water flow sensor
- Four optional language user instructions^{††}

RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Boiler frost protection
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve

EASY TO INSTALL

- Compact cupboard fit
- Direct 80mm diameter rear flue option
- Wide range of flueing options
- Top system connections
- 75mm deep translucent condensate siphon
- Stand off kit
- Terminal wall plate kit
- Security bracket kit
- Low minimum head requirement
- LPG conversion kit available for 24 kW & 30 kW boilers

* Available with 24 & 30 kW models.

[†] Weight with front panel removed.

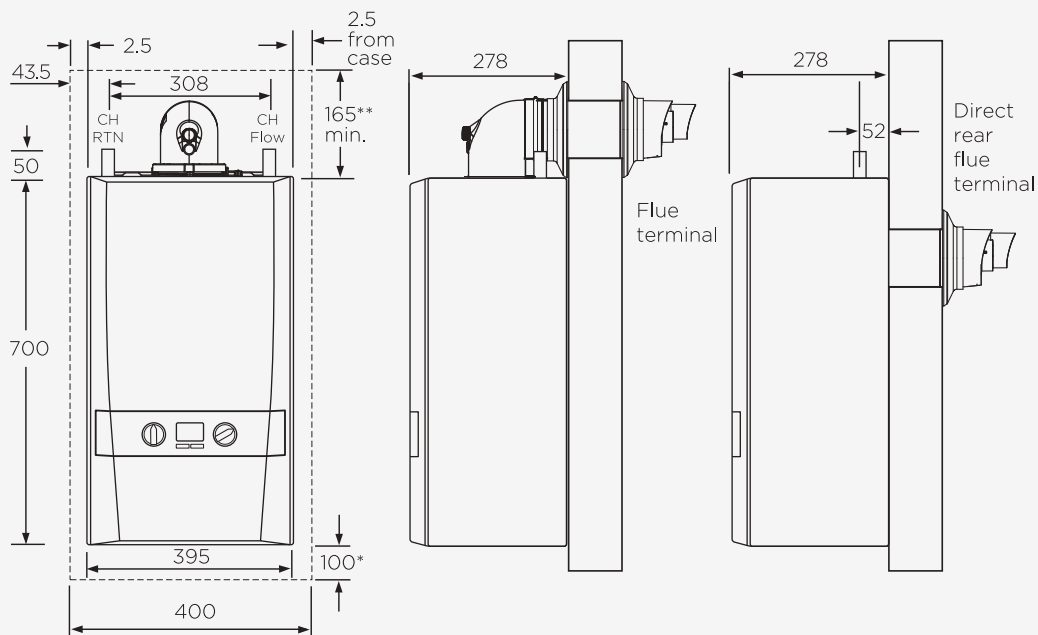
^{**} (30 kW only - 6.1 kW).

^{††} Available to download from www.idealboilers.com



CLEARANCES AND DIMENSIONS.

DIMENSIONS IN MM



Note: The minimum front clearance when built in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

DIMENSIONS:

Height: 700mm
Width: 395mm
Depth: 278mm

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

** Rear flue option - top clearance 100mm.

FLUE LENGTHS.

BOILER MODEL	H12	H15	H18
Max horizontal	9m	9m	9m
Max vertical	7.5m	7.5m	7.5m
Powered vertical	22m	22m	22m
Direct rear flue kit (55/80)	Yes	Yes	Yes

TECHNICAL SPECIFICATION.

BOILER MODEL	H12	H15	H18	H24	H30
Weight (packaged) kg	26.2	26.2	26.2	26.2	26.2
Max installation weight kg	22.7	22.7	22.7	22.7	22.7
CH output (kW) min/max mean 70°C	4.8 - 12.0	4.8 - 15.0	4.8 - 18.0	4.8 - 24.2	6.1 - 30.3
CH output (kW) min/max mean 40°C	5.1 - 13.0	5.1 - 15.9	5.1 - 19.1	5.1 - 25.6	6.4 - 31.0
DHW output (kW) max	n/a	n/a	n/a	n/a	n/a
DHW flow rate l/min. 35°C rise	n/a	n/a	n/a	n/a	n/a
SEDBUK rating (2005) %	91.2	91.1	91	91	91.1
SEDBUK rating (2009/2012) %	89.4	89.3	89.2	89.5	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	No	No	No	Yes	Yes
Condensing boiler	Yes	Yes	Yes	Yes	Yes
Seasonal space heating efficiency class	A	A	A	A	A
Rated heat output kW	12	15	18	24	30
Seasonal space heating energy efficiency η_s %	92	93	92	93	93
Water heating energy efficiency class	n/a	n/a	n/a	n/a	n/a

Multiple flue kits available.

H24

H30

9m

8m

7.5m

7.5m

22m

22m

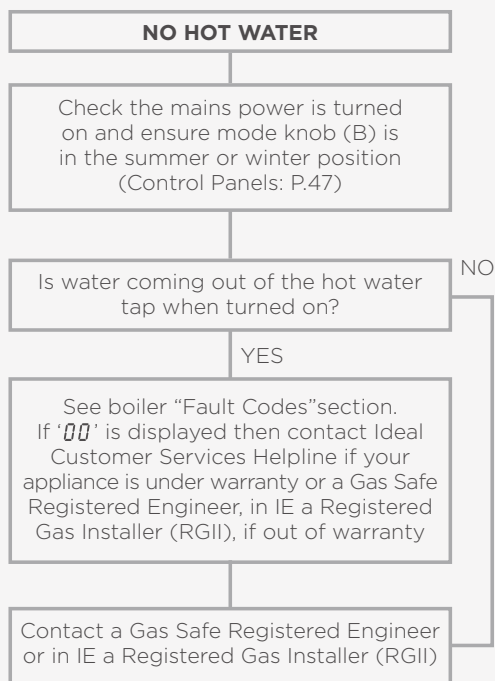
Yes

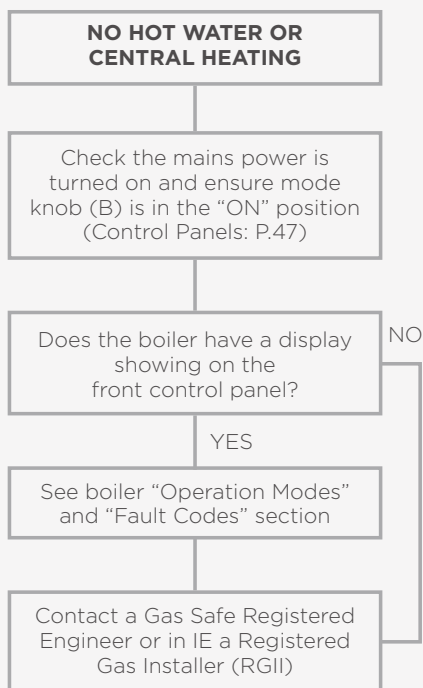
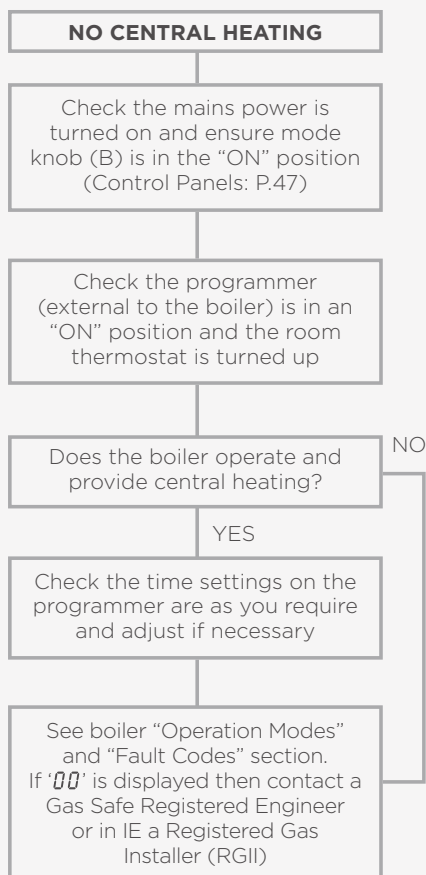
Yes

TROUBLESHOOTING.






POINTS FOR THE BOILER USER

Note. *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineer visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*








OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for heat but the appliance has reached the desired temperature set on the boiler.
	The boiler is providing heat.
	The boiler is operating in frost protection.
	The boiler mode knob (B) is in the off position, rotate fully clockwise for hot water and central heating operation.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	No Water Flow	Check the boiler and system are filled with water and all isolation and radiator valves are open. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flame Loss	<ol style="list-style-type: none"> 1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Fan Fault	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Flow Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Return Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow/Return Reversed	Check that the pump is connected the correct way. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Ignition Lockout	<ol style="list-style-type: none"> 1. Check condensate Pipe for blockages (refer to Section 4) 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	False Flame Lockout	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	5 Boiler Resets in 15 minutes	<ol style="list-style-type: none"> 1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).
	Flow/Return Differential > 50°C	If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGII).

LOGIC CODE COMBI ESP1.

26 33 38

HIGH EFFICIENCY
COMBINATION BOILERS.



Compact



LPG
Conversion Kit*



Frost
Protection



Flue
Variants



NOx
Class 5



Flexible
Warranty





KEY FEATURES

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (starting from 34.3kg)
- Low component count maximising reliability
- Complete range of Logic combination boilers for social new build developers
- Achieves optimum SAP and DER performance for standard combination boiler usage
- Higher DHW flow rates than standard boiler
 - approximately 10% increase
- Built in flue gas heat recovery

RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Reduced water wastage as DHW inlet is preheated
- Reduced plumbing on DHW

EASY TO INSTALL

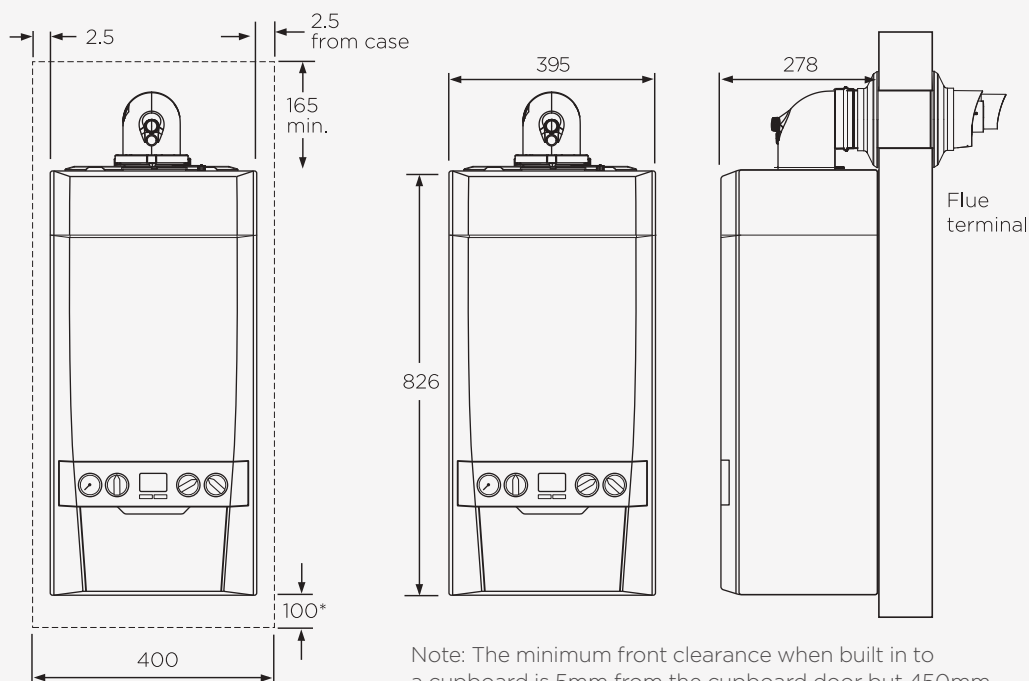
- One single appliance to install – quick and easy
- Built-in pipework; no extra space at the side of the product needed
- Standard combination connections
- No additional maintenance requirement
- Compact and light solution for social new build or retrofit installations

* Available with 33 & 38 kW models.



CLEARANCES AND DIMENSIONS.

DIMENSIONS IN MM



DIMENSIONS:

Height: 826mm

Width: 395mm

Depth: 278mm

Note: The minimum front clearance when built in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

FLUE LENGTHS.

BOILER MODEL	26	33	38
Max horizontal**	9m	8m	6m
Max vertical**	7.5m	7.5m	7.5m
Powered vertical [†]	22m	22m	22m

TECHNICAL SPECIFICATION.

BOILER MODEL	26	33	38
Weight (packaged) kg	37.3	37.4	37.5
Max installation weight kg	34.3	34.4	34.5
CH output (kW) min/max mean 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
CH output (kW) min/max mean 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
DHW output (kW) max	26.1	32.7	38.2
DHW flow rate l/min. 35°C rise	10.7	13.4	15.7
SEDBUK rating (2005)	91.1	91.1	91.1
SEDBUK rating (2009/2012) %	89.6	89.6	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	No	Yes	Yes
Condensing boiler	Yes	Yes	Yes
Seasonal space heating efficiency class	A	A	A
Rated heat output kW	24	24	24
Seasonal space heating energy efficiency η_s %	94	94	94
Water heating energy efficiency class	A	A	A

Multiple flue kits available.

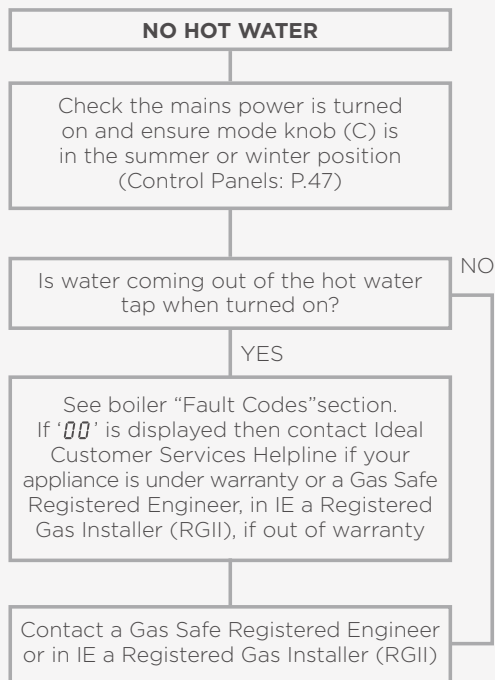
** Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

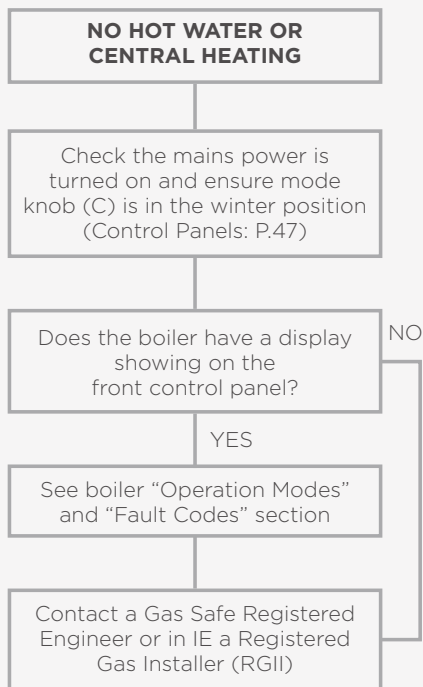
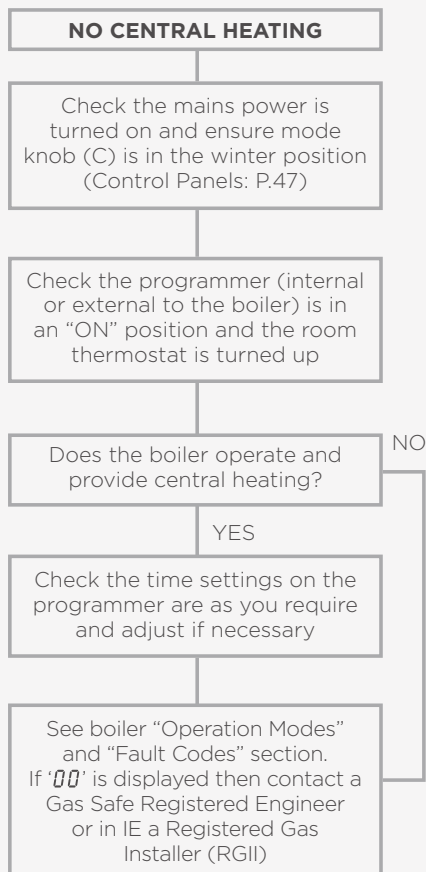
† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

TROUBLESHOOTING.








POINTS FOR THE BOILER USER

Note. In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineer visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.








OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating but the appliance has reached the desired temperature set on the boiler.
	The boiler has a call for hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in central heating mode.
	The boiler is operating in hot water mode.
	The boiler is operating in frost protection.
	The boiler mode knob (C) is in the off position, rotate fully clockwise for hot water and central heating operation.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler still fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flame Loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Fan Fault	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
F4 L4	Flow Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
F5 L5	Return Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
F6	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
F7	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
F9 L9	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
L1	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
L2	Ignition Lockout	1. Check condensate Pipe for blockages (refer to Section 4) 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
L6	False Flame Lockout	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
LC	5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
FU	Flow/Return Differential > 50°C	If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
du	Diverter Valve in mid-position for service	Rotate all knobs fully clockwise, turn boiler power off and on then press restart

LOGIC COMBI ESP1.

24 30 35

HIGH EFFICIENCY
COMBINATION BOILERS.



Compact



LPG
Conversion Kit*



Frost
Protection



Flue
Variants



NOx
Class 5



Flexible
Warranty



KEY FEATURES

- Easy to see pressure gauge
- Large backlit display with user friendly controls
- Low lift weight (starting from 28.9kg)
- Low component count maximising reliability
- Complete range of Logic combination boilers for social new build developers
- Achieves improved SAP and DER performance
- 75mm deep translucent condensate siphon
- Fully modulating operation to low outputs
- Automatic bypass

RELIABLE

- Energy Saving Trust endorsed
- Flexible warranty
- Boiler frost protection
- Built-in, easy to use filling loop
- Simple diverter valve design
- Two stage flame sensing for greater reliability
- Latest generation Honeywell gas valve

EASY TO INSTALL

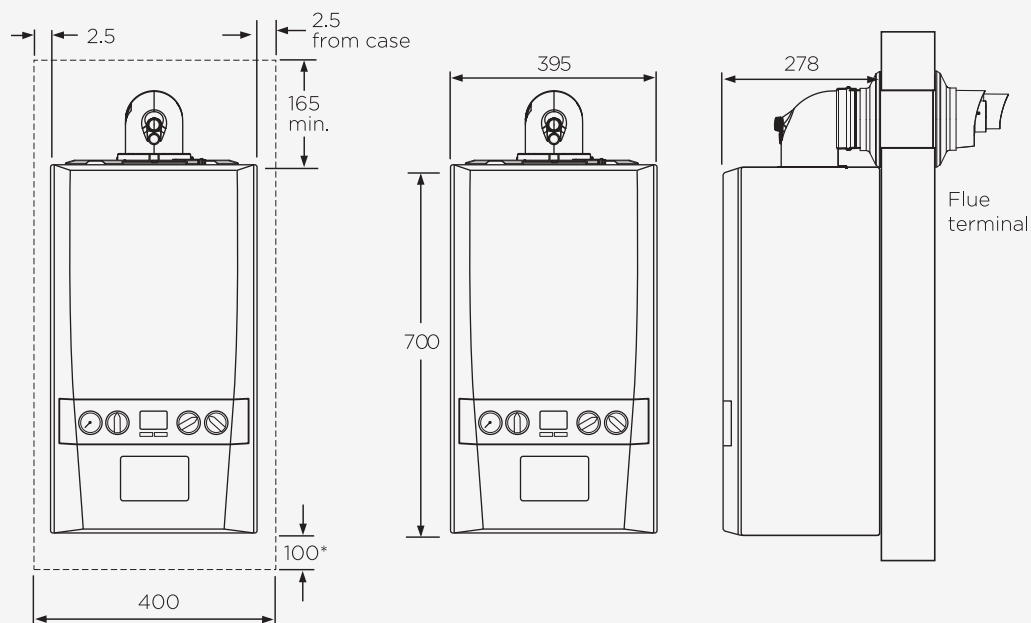
- Compact cupboard fit
- Fast fix flues
- Wide range of additional flueing options
- Easy access to PRV and AAV
- Preformed copper tails
- Pre-wired mains lead (2m)
- Universal condensate connection
- Stand off kit including piping available
- Compatible with a range of additional controls inc. weather compensation
- LPG conversion kit available for 35 kW boilers

* Available with 35 kW model.



CLEARANCES AND DIMENSIONS.

DIMENSIONS IN MM



DIMENSIONS:

Height: 700mm

Width: 395mm

Depth: 278mm

Note: The minimum front clearance when built in to a cupboard is 5mm from the cupboard door but 450mm overall clearance with the cupboard door open is required for servicing.

*Bottom clearance after installation can be reduced to 5mm. However, 100mm is required for servicing.

FLUE LENGTHS.

BOILER MODEL	24	30	35
Max horizontal**	9m	8m	6m
Max vertical**	7.5m	7.5m	7.5m
Powered vertical†	22m	22m	22m

TECHNICAL SPECIFICATION.

	24	30	35
Weight (packaged) kg	33.7	33.8	33.9
Max installation weight kg	28.9	29.0	29.1
CH output (kW) min/max mean 70°C	4.8 - 24.2	6.1 - 24.2	7.1 - 24.2
CH output (kW) min/max mean 40°C	5.1 - 25.6	6.4 - 25.6	7.5 - 25.6
DHW output (kW) max	24.2	30.3	35.3
DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
SEDBUK rating (2005) %	91.1	91.1	91.1
SEDBUK rating (2009/2012) %	89.6	89.6	89.6
NOx classification	CLASS 5	CLASS 5	CLASS 5
Convert to LPG	No	No	Yes
Condensing boiler	Yes	Yes	Yes
Seasonal space heating efficiency class	A	A	A
Rated heat output kW	24	24	24
Seasonal space heating energy efficiency η_s %	94	94	94
Sound power level, indoors L _{WA} dB	48	46	44
Water heating energy efficiency class	A	A	A

Available flue extensions 0.5m, 1m and 2m. Multiple flue kits available.

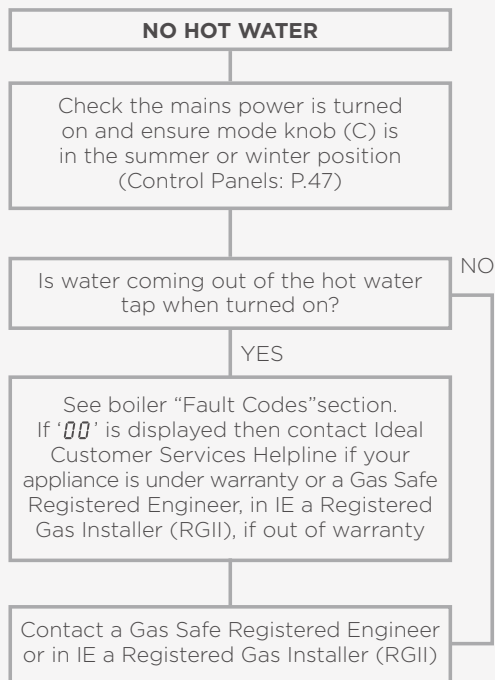
** Each 90° elbow used is at the expense of 1000mm of straight flue run, and each 45° elbow is used at the expense of 600mm of straight flue run.

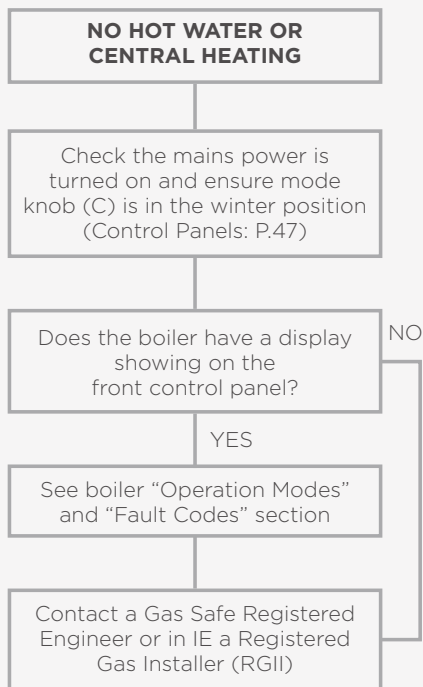
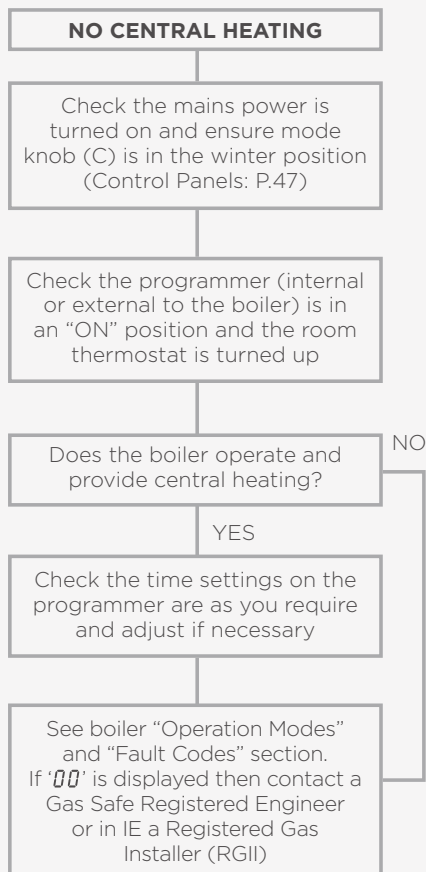
† Typical combined primary and secondary length. See installation instructions for more details. Note: The Flue Deflector Kit is used at the expense of 1000mm of straight flue run.

TROUBLESHOOTING.




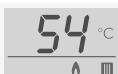



POINTS FOR THE BOILER USER

Note. *In line with our current warranty policy we would ask that you check through the following guide to identify any problems external to the boiler prior to requesting a service engineer visit. Should the problem be found to be other than with the appliance we reserve the right to levy a charge for the visit, or for any pre-arranged visit where access is not gained by the engineer.*


















OPERATIONS MODE.

DISPLAY CODE ON THE BOILER	DESCRIPTION
	The boiler is in standby mode awaiting either a central heating call or hot water demand.
	The boiler has a call for central heating but the appliance has reached the desired temperature set on the boiler.
	The boiler has a call for hot water but the appliance has reached the desired temperature set on the boiler.
	The boiler is operating in central heating mode.
	The boiler is operating in hot water mode.
	The boiler is operating in frost protection.
	The boiler mode knob (C) is in the off position, rotate fully clockwise for hot water and central heating operation.

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Low Water Pressure	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler still fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flame Loss	1. Check other gas appliances in the house are working to confirm a supply is present in the property. 2. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Fan Fault	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).

FAULT CODES.

DISPLAY CODE ON THE BOILER	DESCRIPTION	ACTION
	Flow Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Return Thermistor	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Outside Sensor Failure	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Low Mains Voltage	Contact a qualified electrician or your electricity provider.
	Unconfigured PCB	Unconfigured PCB. Please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flow Temperature Overheat or No Water Flow	Check system water pressure is between 1 & 1.5bar on the system pressure gauge. To re-pressurise the system see Section 3. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Ignition Lockout	1. Check condensate Pipe for blockages (refer to Section 4) 2. Check other gas appliances in the house are working to confirm a supply is present in the property. 3. If other appliances do not work or there are no other appliances, check the gas supply is on at the meter and/or pre payment meter has credit. If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	False Flame Lockout	Restart the appliance - if the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	5 Boiler Resets in 15 minutes	1. Turn electrical supply to boiler off and on. 2. If the boiler fails to operate please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Flow/Return Differential > 50°C	If the boiler fails to operate then please contact Ideal (if under warranty) or alternatively a Gas Safe Registered Engineer if outside of the warranty period. In IE contact a Registered Gas Installer (RGI).
	Diverter Valve in mid-position for service	Rotate all knobs fully clockwise, turn boiler power off and on then press restart

BOILER CONTROLS.

LOGIC COMBI.

C24 C30 C35



BOILER CONTROLS

- A. Domestic Hot Water Temperature Knob
- B. Central Heating Temperature Knob
- C. Mode Knob
- D. Boiler Status Display
- E. Burner 'on' Indicator
- F. Preheat On Off button
- G. Restart button
- H. Central Heating Economy Setting
- I. Pressure Gauge

In normal operation the boiler status display (D) will show codes:

00 Standby - no demand for heat.

■ Central Heating being supplied

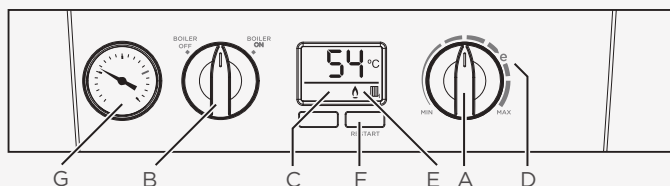
■ Domestic hot water being supplied

PH Domestic hot water preheat

FP Boiler frost protection - boiler will fire if temperature is below 5°C.

LOGIC SYSTEM.

S15 S18 S24 S30



BOILER CONTROLS

- A. Central Heating Temperature Knob
- B. Mode Knob
- C. Boiler Status Display
- D. Central Heating Economy Setting
- E. Burner 'on' Indicator
- F. Restart button
- G. Pressure Gauge

In normal operation the boiler status display (C) will show codes:

00 Standby - no demand for heat.

ON Heat being supplied

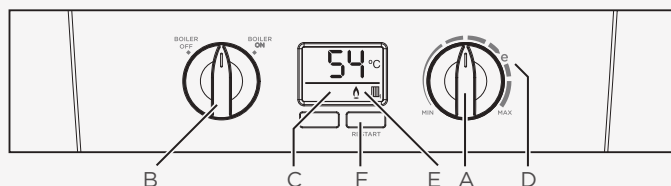
FP Boiler frost protection - boiler will fire if temperature is below 5°C.

SYSTEM PRESSURE.

The system pressure gauge indicates the central heating system pressure. If the pressure is seen to fall below the original installation pressure of 1-2 bar over a period of time and continue to fall then a water leak may be indicated. In this event re-pressurise the system. As shown on page 4 of the user guide.

LOGIC HEAT.

H12 H15 H18 H24 H30



BOILER CONTROLS

- A. Central Heating Temperature Knob
- B. Mode Knob
- C. Boiler Status Display
- D. Central Heating Economy Setting
- E. Burner 'on' Indicator
- F. Restart button

In normal operation the boiler status display (C) will show codes:

00 Standby - no demand for heat.

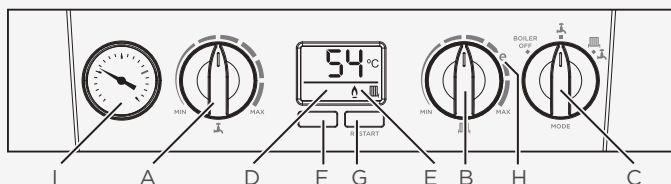
0N Heat being supplied

FP Boiler frost protection - boiler will fire if temperature is below 5°C.

LOGIC COMBI ESP1/ LOGIC CODE COMBI ESP1.

24 30 35

26 33 38



BOILER CONTROLS

- A. Domestic Hot Water Temperature Knob
- B. Central Heating Temperature Knob
- C. Mode Knob
- D. Boiler Status Display
- E. Burner 'on' Indicator
- F. Installer Function Button
- G. Restart button
- H. Central Heating Economy Setting
- I. Pressure Gauge

In normal operation the boiler status display (D) will show codes:

00 Standby - no demand for heat.

0N Central Heating being supplied

0H Domestic hot water being supplied

FP Boiler frost protection - boiler will fire if temperature is below 5°C.

WINTER OPERATION: COMBI.

1. Ensure gas and electric supplies are available and on (i.e. card meters are topped up).
2. Ensure boiler thermostat (C) is on and set two thirds of the way round.
3. Set room thermostat to desired temperature, normally between 20-23°C.
4. Control individual room via Thermostatic Radiator Valves. 1 - Low, 2 - Low/Average, 3 - Average, 4 - Average/High, 5 - High.
5. Control the heating times by using programmer/clock and not by switching the boiler on and off.
6. Preheat will operate with the preheat button (F) set to on (Logic Combi only).
7. For periods of intense cold leave the system on 24 hours a day. Switch the room thermostat down to 10°C overnight. This will maintain comfort levels and ensure the system doesn't freeze.

(FOR FULL INSTRUCTION DETAILS REFER TO THE IDEAL LOGIC USER GUIDE)

COMBINATION BOILER CONTROLS.

PROGRAMMABLE THERMOSTATS AND TIMERS.

WE BELIEVE THAT CHOOSING THE RIGHT CONTROL TO MEET THE NEEDS OF YOUR CUSTOMER IS ALMOST AS IMPORTANT AS CHOOSING THE RIGHT BOILER; THIS IS WHY OUR BOILERS ARE FULLY COMPATIBLE WITH A RANGE OF THERMOSTATS AND TIMERS FOR THE ULTIMATE IN HOME COMFORT.



MECHANICAL TIMER.

(Part No. 215390)

ErP: Class 0, no additional efficiency.

Simple heating control through a plug in analogue timer. 24 hour tappet operation with off/timed/continuous periods.

RF ELECTRONIC PROGRAMMABLE THERMOSTAT.

(Part No. 216131)

ErP: Class 5, 3% additional efficiency.

Wireless radio frequency (RF) digital timer and room thermostat providing heating control. 7 day, plain text operating and diagnostics display. Automatic summer/winter time update.





TOUCH.

(Part No. 214216)

ErP: Class 5.

Ideal's new electronic programmable room thermostat featuring simple user interface, 7 day timed control of central heating, wireless connection and built in frost protection.

COMBI, HEAT & SYSTEM CONTROLS. WEATHER COMPENSATION OUTDOOR SENSOR.

(Part No. 216119) ErP: Class 2, 2% additional efficiency.

The Logic boilers provide weather compensation when fitted with an outdoor sensor (which is available as an optional accessory). Weather compensation works by measuring the temperature outside the home and adjusting the temperature (or flow) of the radiators inside.

If the weather is particularly cold outside, the outdoor sensor will communicate with the boiler intelligently to increase the radiator temperature. This process also works in reverse, as the outdoor temperature increases, the flow to the radiators too will decrease. This process allows the system to operate more efficiently by only heating to the minimum temperature necessary and also preventing spikes in heating activity.



LPG CONVERSION KITS.

Designed for use with many of the Logic range of boilers, the Ideal LPG (propane) conversion kit provides a simple and robust gas conversion solution.

With kits available inclusive of natural gas to LPG kits, and LPG to natural gas kits, these quick to install accessories provide a simple and pragmatic solution without the need for products to be adjusted.

Each kit contains specific components for each required boiler type.

KEY FEATURES.

- Available for all product types (combi, heat & system)
- Suitable for most property sizes
- Fast & simple conversion with preset gas valve for no product adjustment

APPLICABLE MODELS.

- Logic Code Combi ESP1 33 & 38
- Logic Combi C24 & 30
- Logic Combi ESP1 35
- Logic Heat H24 & 30
- Logic System S24IE & S30IE
- Logic System S30



SPECIFICATION.

BOILER MODEL	COMBI C24	COMBI C30 & ESP1 35	COMBI ESP1 35	CODE COMBI ESP1 33	CODE COMBI ESP1 38
Min. output (kW)	4.8	6.1	7.1	6.1	7.1
Max. output (kW)	24.2	24.2	24.2	24.2	24.2
Max DHW output (kW)	24.2	30.3	35.3	32.7	38.2

BOILER MODEL	HEAT H24	HEAT H30	SYSTEM S24IE	SYSTEM S30IE	SYSTEM S30
Min. output (kW)	4.8	6.1	4.8	6.1	6.1
Max. output (kW)	24.2	30.3	24.2	30.3	30.3
Max DHW output (kW)	N/A	N/A	N/A	N/A	N/A

NG-LPG CONVERSION KIT	PRODUCT CODE	NG-LPG CONVERSION KIT	PRODUCT CODE
LOGIC CODE COMBI ESP1 33	215753	LOGIC CODE COMBI ESP1 33	179008
LOGIC CODE COMBI ESP1 38	215754	LOGIC CODE COMBI ESP1 38	179009
LOGIC COMBI C24	215738	LOGIC COMBI C24	178994
LOGIC COMBI C30	215739	LOGIC COMBI C30	178995
LOGIC COMBI ESP1 35	215752	LOGIC COMBI ESP1 35	179007
LOGIC HEAT H24	215741	LOGIC HEAT H24	178997
LOGIC HEAT H30	215742	LOGIC HEAT H30	178998
LOGIC SYSTEM S24IE	215747	LOGIC SYSTEM S24IE	179002
LOGIC SYSTEM S30IE	215748	LOGIC SYSTEM S30IE	179003
LOGIC SYSTEM S30	215746	LOGIC SYSTEM S30	179000

NATURAL GAS TO LPG KIT CONTENTS EACH KIT COMPRISES:

- Gas valve (preset operation)
- Burner injector
- Data plate labels
- Instructions
- Washer (not pictured)
- 'O' ring (not pictured)

Use of the preset gas valve ensures the safety feature of a non adjustable gas valve is retained during conversion.

Two data plate labels are provided in the kits inclusive of a new data plate providing LPG details and a label to retain boiler serial number identity.



FLUE SITING.

There are a substantial number of flueing options available for Ideal boiler ranges, giving excellent siting flexibility for almost all applications.

The range of options include standard and telescopic flues as well as roof flue and powered vertical flue options.

To ensure siting issues are kept to a minimum High Level Flue Outlet kit options and Flue Deflector kits are available.

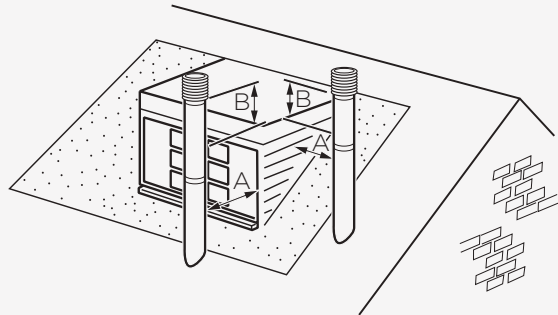
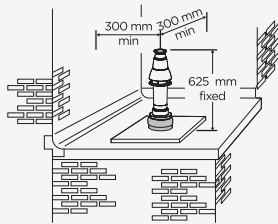
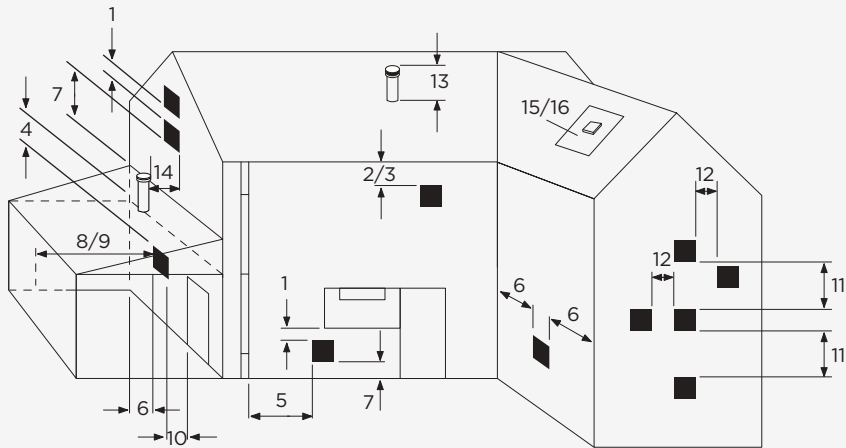
Minimum dimensions of flue terminal positions.

FLUE TERMINAL POSITION		MIN. SPACING
1.	Directly below, above or alongside an opening window, air vent or other ventilation opening.	300mm (12")
2.	Below guttering, drain pipes or soil pipes. BS5440-1 2008	25mm (1")* 75mm (3")
3.	Below eaves. BS5440-1 2008	25mm (1")* 200mm (8")
4.	Below balconies or car port roof. BS5440-1 2008	25mm (1")* 200mm (8")
5.	From vertical drain pipes or soil pipes. BS5440-1 2008	25mm (1")* 150mm (6")
6.	From an internal or external corner or to a boundary alongside the terminal. BS5440-1 2008	25mm (1")* 300mm (12")
7.	Above ground, roof or balcony level.	300mm (12")
8.	From a surface or a boundary facing a terminal.	600mm (24")
9.	From a terminal facing a terminal.	1200mm (48")
10.	From an opening in a car port (e.g. door or window) into dwelling.	1200mm (48")
11.	Vertically from a terminal on the same wall.	1500mm (60")
12.	Horizontally from a terminal on the wall.	300mm (12")

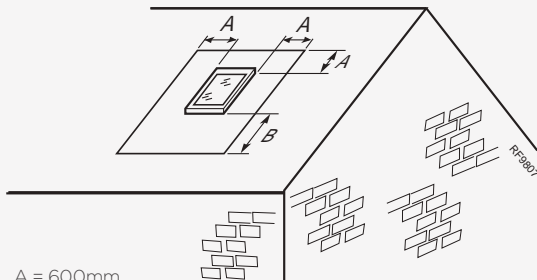
VERTICAL FLUES

13.	Above the roof pitch with roof slope of all angles. Above flat roof.	300mm (12") 300mm (12")
14.	From a single wall face. From corner walls.	300mm (12") 300mm (12")
15.	Below velux window.	2000mm (79")
16.	Above or side of velux window.	600mm (24")

* Only one reduction down to 25mm is allowable per installation otherwise BS5440-1 2008 dimensions must be followed.

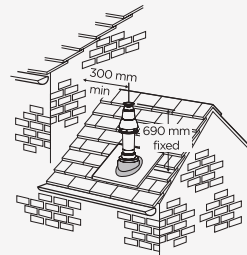


If chimney penetrates dotted area such that A is less than 300mm, B shall not be less than 300mm.



A = 600mm
B = 2000mm

The flue terminal shall not penetrate the shaded area of the roof.



ACCESSORIES.

LOGIC COMBI (ESP1), SYSTEM & HEAT

FLUEING ACCESSORIES	IDEAL PART NO.	COMBI (ESP1)	HEAT	SYSTEM
Telescopic B pack flue (0.6 m long)	208169	✓	✓	✓
Horizontal flue terminal (0.6m long)	208171	✓	✓	✓
Telescopic horizontal flue terminal (1m long)	208174	✓	✓	✓
Flue elbow 90° kit (60/100) packaged	203130	✓	✓	✓
Flue elbow 45° kit (60/100) packaged (pair)	203131	✓	✓	✓
Flue extension kit 0.5m (Pack D)	211037	✓	✓	✓
Flue extension 1m (Pack D)	203129	✓	✓	✓
Flue extension kit 2m (Pack D)	211038	✓	✓	✓
Flue vertical connector	208175	✓	✓	✓
Flue powered vertical terminal 100 dia	203134	✓	✓	✓
Flue deflector 60 dia	208176	✓	✓	✓
Weather collar (universal) 100 dia	152258	✓	✓	✓
Weather collar (flat roof) 100 dia	152259	✓	✓	✓
Flue finishing kit	155988	✓	✓	✓
Roof flue kit inc. vertical connector	211039	✓	✓	✓
Vertical powered flue kit	203136	✓	✓	✓
Rear flue outlet kit (55/80)	205990	✗	✓	✗
Flue finishing kit (55/80)	206151	✗	✓	✗
Flue extension pipe 80 dia (pair) twin/vertical	203142	✓	✓	✓

INSTALLATION ACCESSORIES

	IDEAL PART NO.	COMBI (ESP1)	HEAT	SYSTEM
Stand off kit	211103	✓	✗	✓
Stand off kit (Logic Heat)	206153	✗	✓	✗
Stand off kit (Inc. piping)	211330	✓	✗	✓
Condensate pump kit	159991	✓	✓	✓
Terminal wall plate RS replacement kit (Logic Combi/System)	211328	✓	✗	✓
Terminal wall plate RS replacement kit (Heat)	206164	✗	✓	✗
Weather compensation kit	216119	✓	✓	✓
Pre-piping kit	211041	✓	✗	✗
Pre-piping kit	211331	✗	✗	✓
Security bracket kit	205217	✓	✓	✓
OpenTherm harness kit (Logic Combi)	216118	✓	✗	✗
PRV wall outlet pipe kit	205126	✓	✗	✓
DHW expansion vessel kit	205419	✓	✗	✗

LOGIC (ALL MODELS)

	IDEAL PART NO.
Balcony flue outlet kit	208177
Soffit kit (60/100)	211302
Raised horizontal flue outlet kit	208290

ACCESSORIES.

HIGH LEVEL FLUE OUTLET KIT

These easy to install kits allow the boiler flue outlet to be extended external to the building, upwards to provide a flue exit at high level, overcoming problems associated with plume emission. The kit can be simply fitted retrofitted if necessary (excluding rear outlet of Logic Heat).

An external 60mm diameter flue leads from the boiler terminal (which includes a 90° elbow at the flue exit) to terminate with a 90° elbow complete with grille. Push fit one metre extension pipes are used as required, and the fixing clips supplied support the system from the wall.

Both 90° and 45° elbows are available to provide routing options.

THE KIT COMPRISES:

- Flue elbow - 1 off
- 60mm flue exit elbow - 1 off
- 60mm horizontal flue exit - 1 off
- 60mm x 500mm flue outlet extension pipe - 1 off

This kit is specified for use with the normal standard B pack.
The standard terminal nose is replaced with the high level terminal.

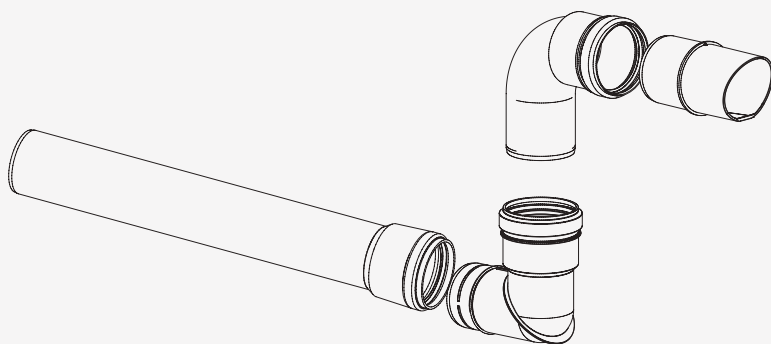
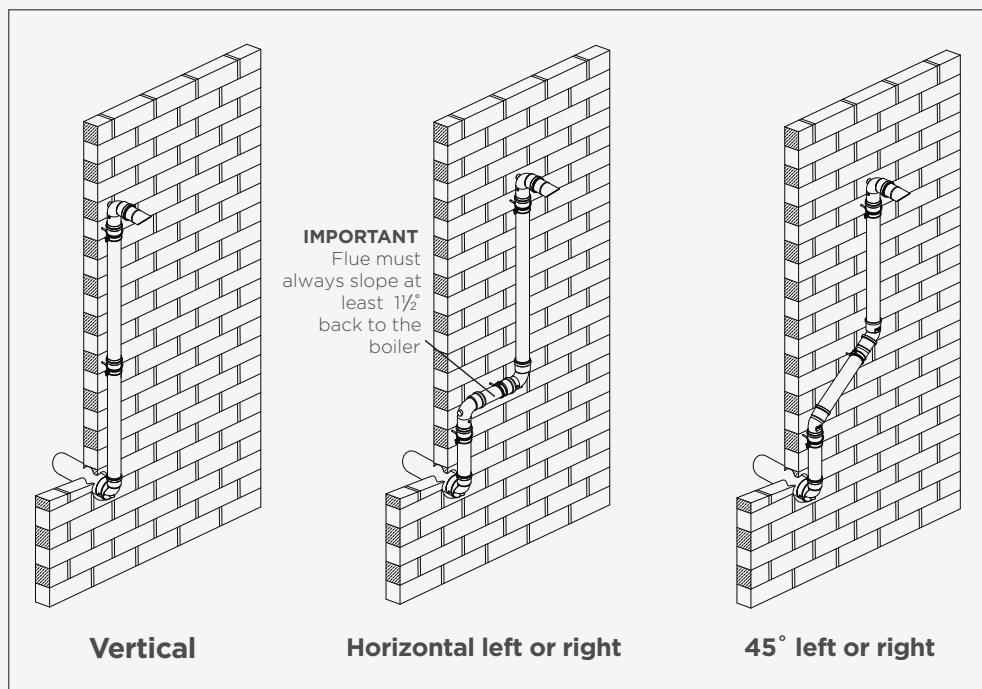


Diagram representative only.



LOGIC (ALL MODELS)

IDEAL PART NO.

High level flue outlet kit	208178
Logic Heat rear flue outlet (55/80) ONLY high level flue outlet kit (55/80)	205989
Flue extension kit 60 dia (1m) - for high level flue outlet kit	203228
High level 90° elbow	203229
High level 45° elbow (pair)	203230

If additional elbows to those supplied in the high level flue outlet kit are used, deduct the following resistances (metres) from the maximum boiler flue length.

LOGIC (ALL MODELS)

METRES

90° elbow	1.4
45° elbow (pair)	1.25

ACCESSORIES.

LOGIC CODE COMBI ESP1

FLUEING ACCESSORIES

IDEAL PART NO.

Telescopic B pack flue (0.6m long)	208169
Horizontal flue terminal (0.6m long)	208171
Telescopic horizontal flue terminal (1m long)	208174
Flue elbow 90° kit (60/100) packaged	203130
Flue elbow 45° kit (60/100) packaged (pair)	203131
Flue extension 0.5m (Pack D)	211037
Flue extension 1m (Pack D)	203129
Flue extension 2m (Pack D)	211038
Flue vertical connector	208175
Flue powered vertical terminal 100 dia	203134
Flue deflector 60 dia	208176
Weather collar (universal) 100 dia	152258
Weather collar (flat roof) 100 dia	152259
Flue finishing kit	155988
Roof flue kit inc. vertical connector	211039
Vertical powered flue kit	203136
Concentric flue screw retaining kit	205024
Flue extension pipe 80 dia (pair) twin/vertical	203142

INSTALLATION ACCESSORIES

IDEAL PART NO.

Stand off kit	206383
Stand off kit Inc. piping	206679
Condensate pump kit	159991
DHW expansion vessel kit	205419
Weather compensation kit	216119
Pre-piping kit	206704
Security fixing kit	206708
PRV wall outlet pipe kit	205126

CONTACT US.

Should you need assistance from any of our specialist teams they are on hand to help you 7 days a week, 364 days a year.

CUSTOMER SERVICE

Tel: 01482 498660

SALES ORDERS AND ENQUIRIES

Tel: 0844 498056

TECHNICAL HELP

Tel: 01482 498663

IDEAL GENUINE PARTS

Tel: 01482 498665

MAIN RECEPTION

Tel: 01482 492251

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