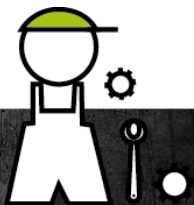


The following is required on all boilers utilizing the 15 V lambda sensor prior to start-up:

- Calibrate O2 sensor
- Change FLAME DETECTION METHOD from lambda to photo
- Add spacer to 15 V lambda sensor



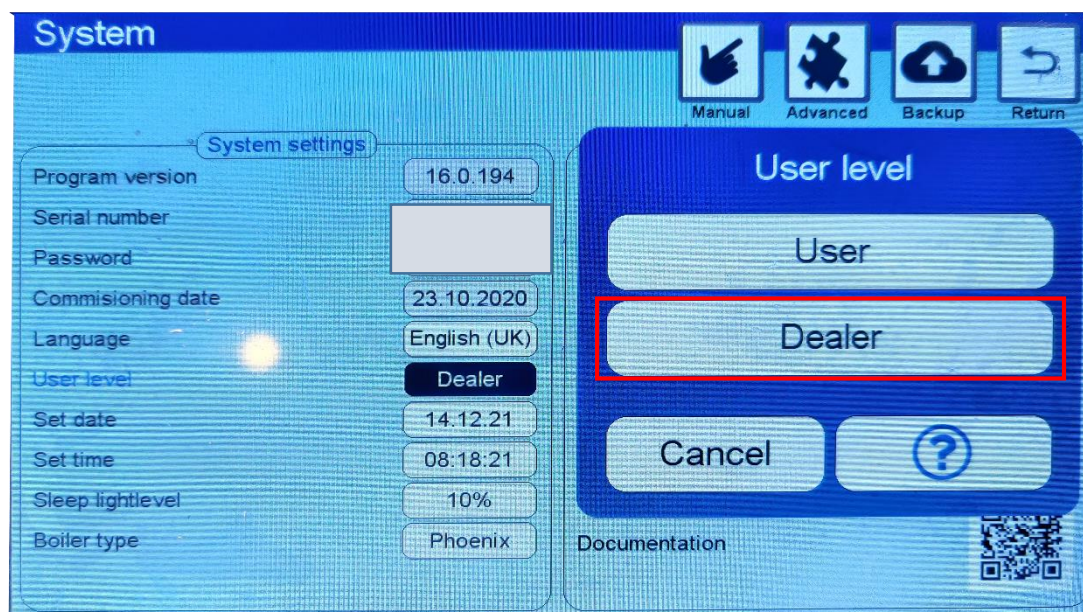
Calibrate O2 sensor

The lambda sensor must be powered for at least 6 minutes and have a stable adc value prior to calibrating. This should be done as followed:

1. Disconnect the burner plug and allow the burner to go to the alarm state "Burner disconnected". This will allow power to be provided to the lambda sensor when in an OFF state.



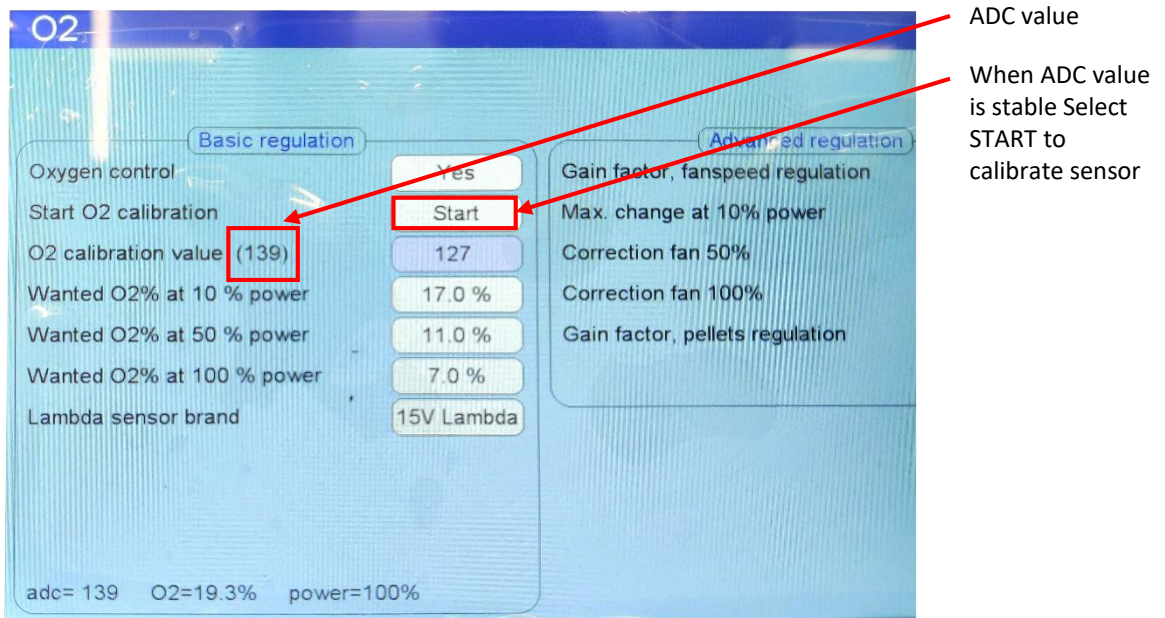
2. Go to USER LEVEL DEALER



Calibrate O2 sensor



3. Go to BOILER/O2 and pay attention to the adc value shown in parentheses () next to parameter O2 CALIBRATION VALUE. You should see this number start to decrease after a minute or two. When this number is no longer decreasing and is stable, select START to calibrate sensor. Make sure to only calibrate when the chimney is free from any smoke. Alternatively, you are also able to remove the sensor from the boiler during calibration.



Change FLAME DETECTION METHOD from lambda to photo



1. You will require software version **16.0.193 and up** . Make sure language is set to English.

System

System settings

Program version: 16.0.194

Serial number: [Redacted]

Password: [Redacted]

Language: English (UK)

User level: User

Set date: 14.12.21

Set time: 08:18:14

Sleep lightlevel: 10%

Communication

Network: NBE-HQ

Network log: Start

Documentation: [QR Code]

2. Choose USER LEVEL: DEALER

System

System settings

Program version: 16.0.194

Serial number: [Redacted]

Password: [Redacted]

Commissioning date: 23.10.2020

Language: English (UK)

User level: Dealer

Set date: 14.12.21

Set time: 08:18:21

Sleep lightlevel: 10%

Boiler type: Phoenix

User level

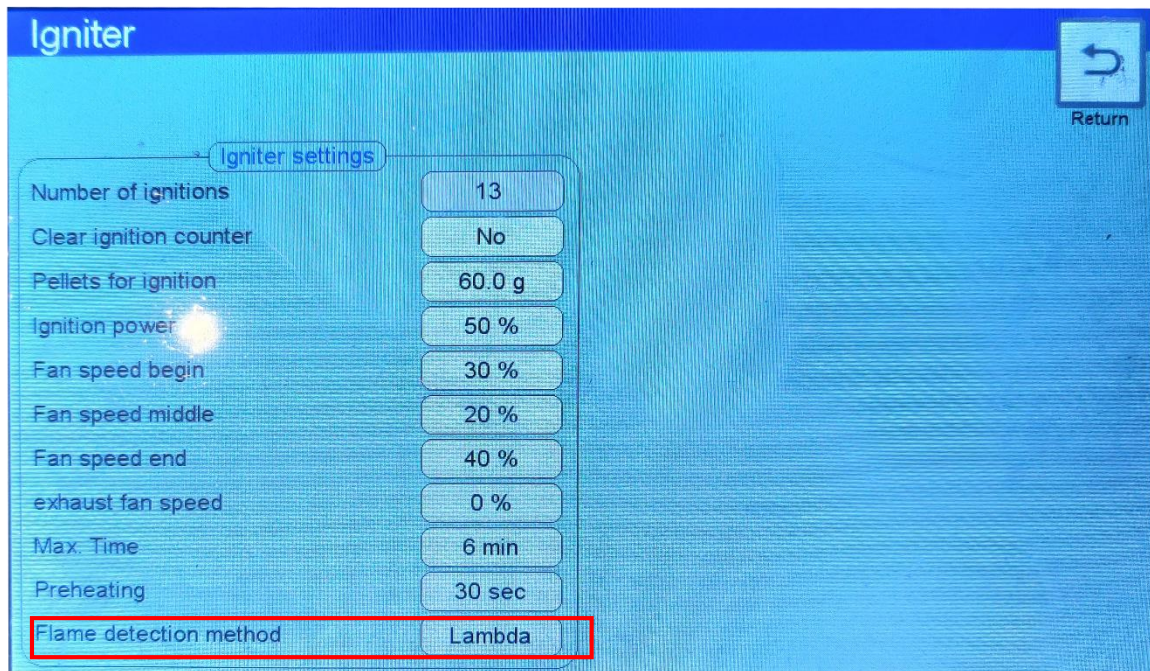
User

Dealer

Cancel

Documentation: [QR Code]

3. Go to BOILER/IGNITER/FLAME DETECTION METHOD menu



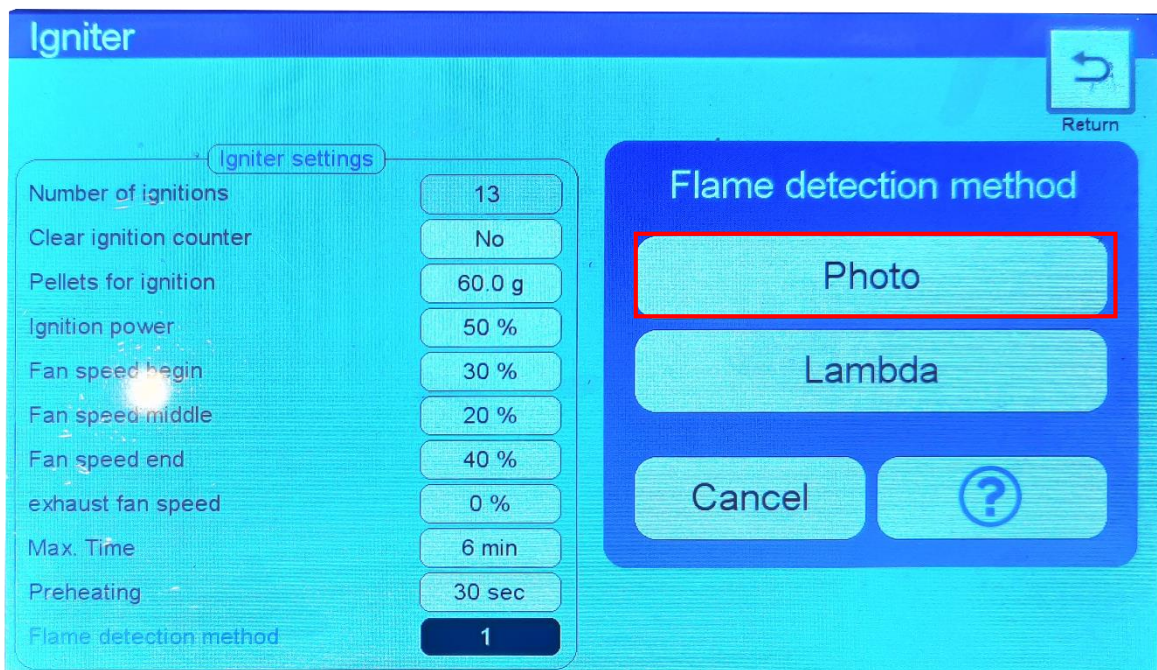
Igniter

Return

Igniter settings

Number of ignitions	13
Clear ignition counter	No
Pellets for ignition	60.0 g
Ignition power	50 %
Fan speed begin	30 %
Fan speed middle	20 %
Fan speed end	40 %
exhaust fan speed	0 %
Max. Time	6 min
Preheating	30 sec
Flame detection method	Lambda

2. Under FLAME DETECTION METHOD, choose PHOTO



Igniter

Return

Igniter settings

Number of ignitions	13
Clear ignition counter	No
Pellets for ignition	60.0 g
Ignition power	50 %
Fan speed begin	30 %
Fan speed middle	20 %
Fan speed end	40 %
exhaust fan speed	0 %
Max. Time	6 min
Preheating	30 sec
Flame detection method	1

Flame detection method

Photo

Lambda

Cancel

?

Add spacer to 15 lambda sensor

1. Unscrew 15 V lambda sensor from boiler



2. Screw on spacer at the end of the lambda sensor



3. Reinstall 15 V lambda into the boiler

