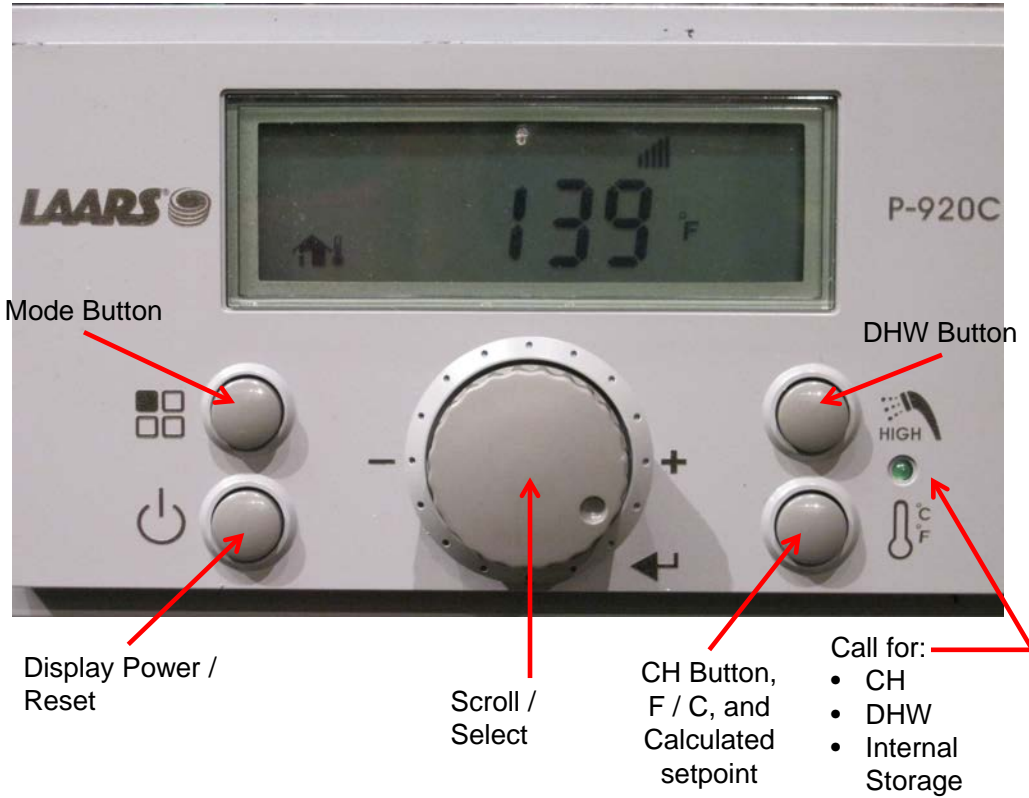


# **MASCOT FT 'COMBI'**

## **START UP GUIDE**

**(QUICK START MANUAL)**





### Setting CH Set point



Press the CH button  
**Note: CH button is only active prior to connecting the outdoor sensor**



You will see the CH Icon on the screen. Use the Scroll/Select button and adjust to desired set point



When you reach the desired set point, press the Scroll/Select button to lock in your selection

**NOTE: CH Set point has a 9 Deg. F (5 C) OFF Differential**

## Setting DHW Set point

1.



Press DHW button (combi boiler).  
You will see the DHW Icon.

2.



Use the Scroll/Select button and  
adjust to desired set point. Press  
Scroll/Select to lock in your selection

1H.



### High Temp DHW

- Press DHW button
- Then press and Hold DHW button until "H" appears to adjust temp. above 120 F.

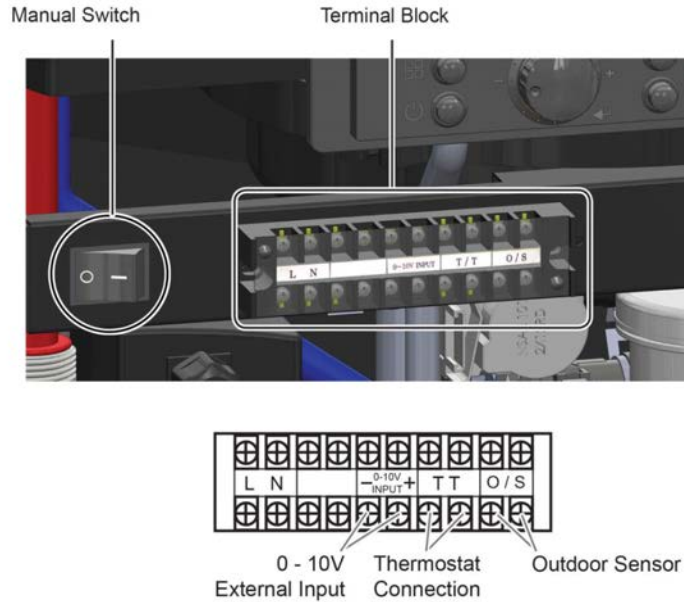
2H.



### High Temp DHW

- Use the Scroll/Select button to adjust the desired set point.
- Press the Scroll/Select button to lock in your selection

## Outdoor Reset



Install and connect the Outdoor Sensor to terminals marked O/S. Then you will need to go to the **Installer Parameters** to complete the set up

## Outdoor Reset Installer Level



Power off the display.



Press and HOLD the Mode button until 1:EH appears.



- Using the Scroll/Select button locate **6:OH**
- This is the **Maximum Outdoor Air Temperature**.
- Press the select button



- Scroll to the desired High Outdoor Temperature.
- Press the Scroll/Select button to lock in the setting

5.



- Using the Scroll/Select button locate **7:OL**
- This is the **Minimum Outdoor Air Temp.**
- Press the select button

6.



- Scroll to the desired Low Outdoor Temperature.
- Press the Scroll/Select button to lock in the setting

7.



- Scroll to **15:OF**
- This is the **Warm Weather Shut Down.**
- Press the select button

8.



- Scroll to the desired WWSD Temp.
- Press the Scroll/Select button to lock in the setting

9.



- Using the Scroll/Select button locate **16:cH**
- This is the **Maximum CH Temp.**
- Press the select button

10.



- Scroll to the desired Maximum CH Temp.
- Press the Scroll/Select button to lock in the setting

11.



- Scroll to **17:cL**
- This is the **Minimum CH Temp.**
- Press the select button

12.



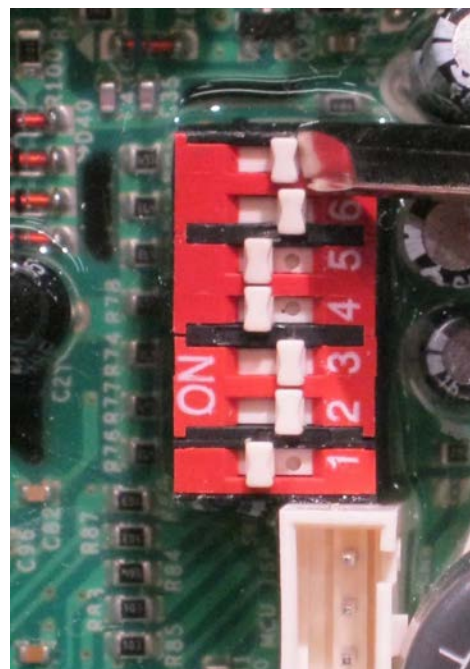
- Scroll to the desired Minimum CH Temp.
- Press the Scroll/Select button to lock in the setting

# Measuring and Adjusting CO2

- Turn on Gas and Water supply to the Mascot
- Remove the plug located in the vent pipe adaptor and set up your gas analyzer

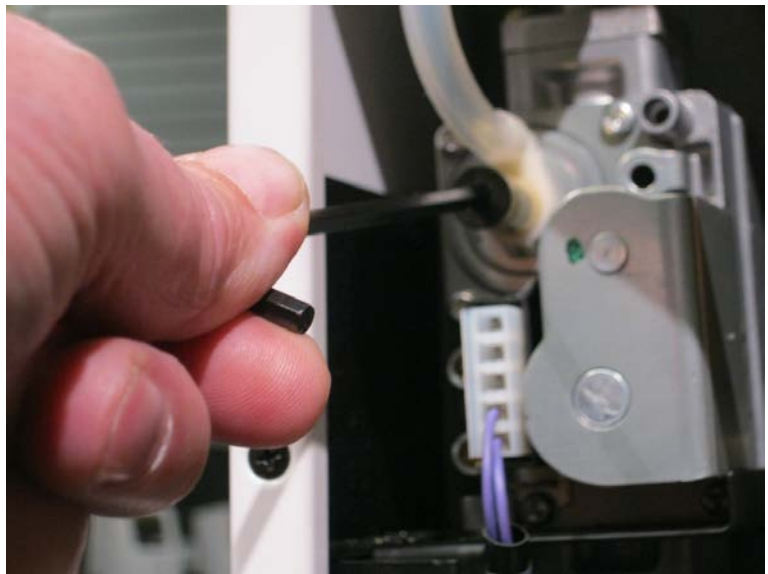
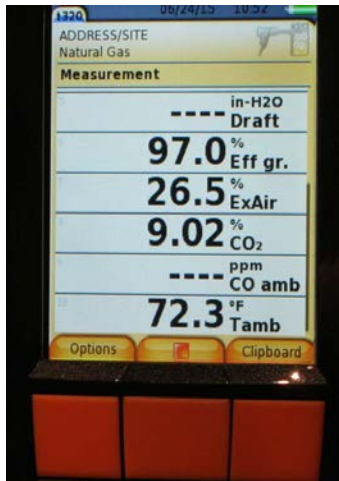


- CO2 adjustments are made when the boiler is in "Min Fire"
- Set DIP Switch #7 to the **ON** position to run boiler in "Min Fire"



ON	OFF	#
<b>MIN</b> Fire	Normal Operation	7
<b>MAX</b> Fire	Normal Operation	6
NG Natural	LP Propane	5
3" Vent Size	2" Vent Size	4
Do Not Touch	Normal Operation	3
Do Not Touch	Normal Operation	2
Normal Operation	Do Not Touch	1

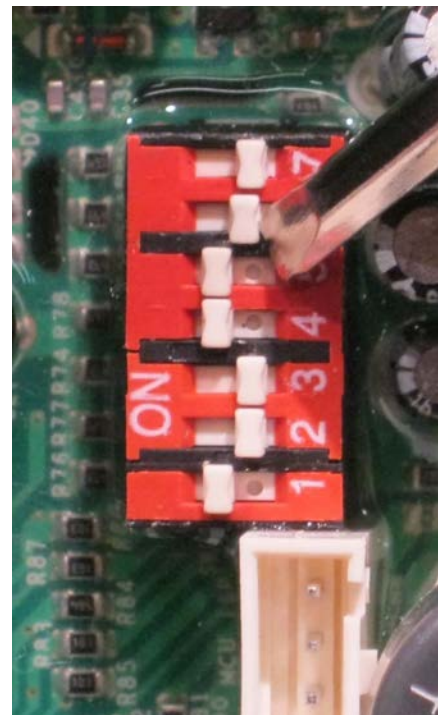
- Adjust CO2 using 4mm allen wrench at cap screw on gas valve
- Natural Gas 8% - 10% Min Fire
- Propane Gas 9% - 10.5% Min Fire



- Once you have measured and adjusted CO2 in “Min Fire”
- Set DIP Switch #7 to OFF and #6 to ON
- This will fire the boiler at “Max Fire”
- **BUT DO NOT MAKE ADJUSTMENTS IN MAX FIRE**

If “Max Fire” is too low you will need to go back to “Min Fire” and adjust to bring CO2 up  
 If “Max Fire” is too high you will need to go back to “Min Fire” and adjust to bring CO2 down

ON	OFF	#
<b>MIN</b> Fire	Normal Operation	7
<b>MAX</b> Fire	Normal Operation	6
NG Natural	LP Propane	5
3" Vent Size	2" Vent Size	4
Do Not Touch	Normal Operation	3
Do Not Touch	Normal Operation	2
Normal Operation	Do Not Touch	1



- Once the CO<sub>2</sub> has stabilized and is within the specification. Set all DIP Switches to the proper position according to the table
- Remove all test equipment and replace boiler cover

