SENSE COMBI ELITE Quick-Start Tip Sheet
This page to be used in conjuction with Tylo Full Manual included

CONNECTION/WIRING DIAGRAM

TAB	208 V 1 Phase			240 V 1 Phase		
Model	Amperage Amps	Output kW	Wire Size AWG	Amperage Amps	Output kW	Wire Size AWG
Sense Combi-U 6	-	-	-	21	6.0	10
Sense Combi-U 7	26	5.3	10	30	7.0	8
Sense Combi-U 8	30	6.3	8	35	8.3	8

Note: Heating elements do not change for voltage changes. The heater output will change based on the voltage applied to heater. Most North American homes are 240v.

Connect Sensor cable (round) to jack 6 on circuit board.

Connect Control cable (flat) to jack 9 on circuit board.

11

120 V~ 40 41 B B 14

Field Connect three copper conectors

x 3

5.3-8.3 kW 208/240 V~

1 2 3 4 5 G

L1 L2

14 AWG Max. 6 Amp.

In order for control to operate light, a separate 120V supply must be provided and connected to heater

16 15 14 10 12 13

3 x 14 AWG
RJ10 4P4C
RJ10 4P4C

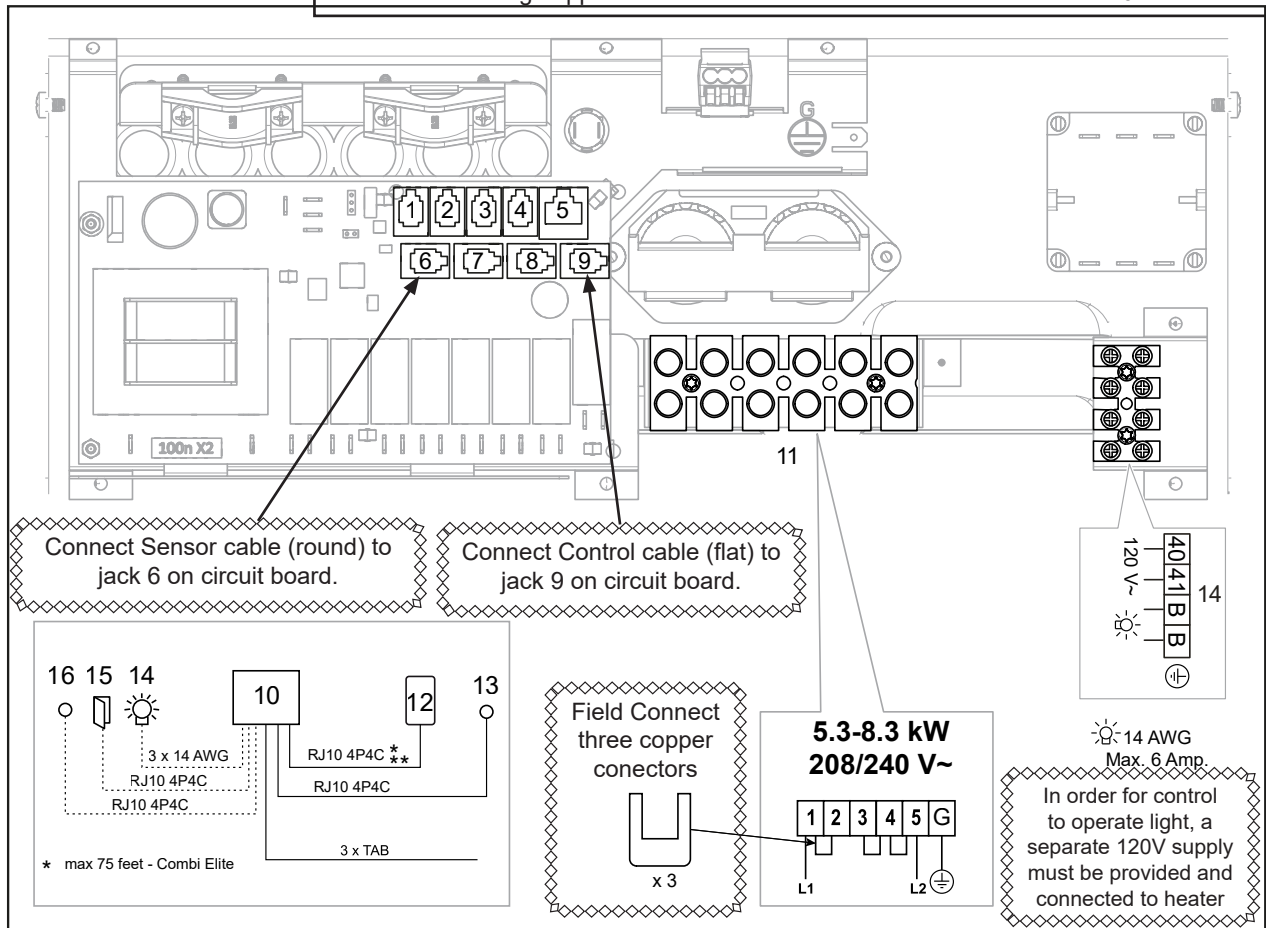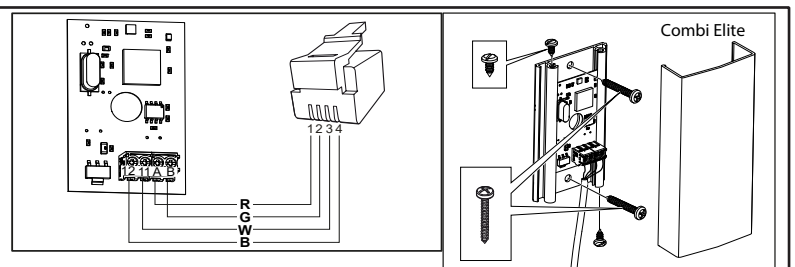RJ10 4P4C ***
RJ10 4P4C

3 x TAB

* max 75 feet - Combi Elite

Figure 19: Wiring diagram
1. N/A
2. External Switch (Optional) (jack # 2)
3. Door jumper pre-installed (jack # 3)
4. N/A
5. N/A
6. Sensor (combination humidity and temperature, jack # 6)
7. N/A
8. N/A
9. Elite Control
10. Heater
11. Terminal for connection of electrical cable
12. Control panel (jack # 9)
13. Sensor - Combi Elite (jack # 6)
14. Light/terminal for connection of light
15. Door Switch is not required for N. America
16. External On/Off Switch (option)

Combi Elite

1 2 3 4
1 2 1 1 A B
R
G
W
B

Humidity Sensor Installation Tip

Installing the humidity- and temperature sensor - Combi Elite.

Connecting the humidity- and temperature sensor - Combi Elite
R=Red, G=Green, W=White, B=Black

1. CAUTION: Heater junction box can be a tight fit. Make sure no bare wires come in to contact with circuit board, on/off switch or any other heater components. Extra care should be taken when closing junction box cover to ensure wires are not being pushed out of position.

2. Some prefer or are required to make a weather-proof connection. If so, you may use Liquid tight conduit for the wire exposed within the sauna. For more flexibility, you can install weather proof junction box inside sauna below heater and use flexible SOOW wire to connect to heater
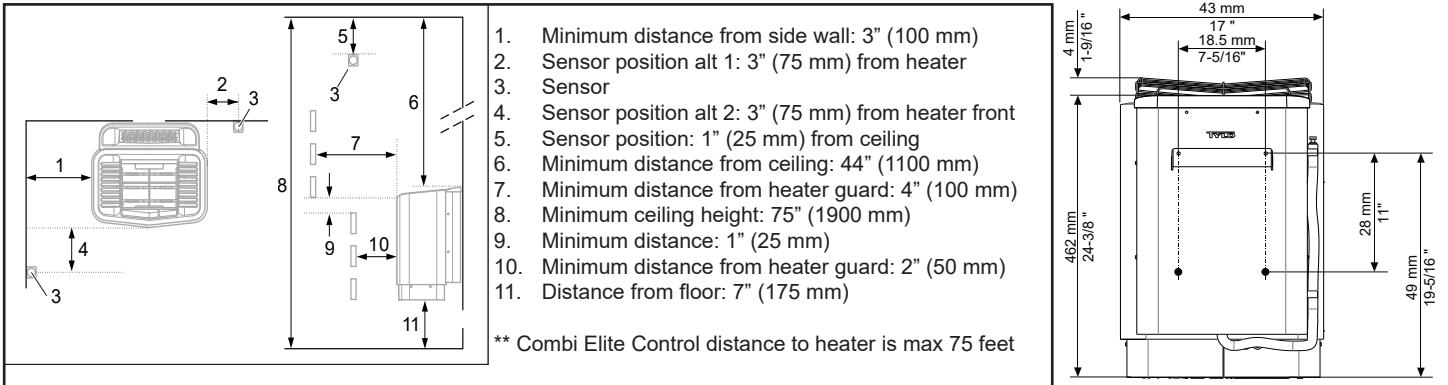

1. Minimum distance from side wall: 3" (100 mm)
2. Sensor position alt 1: 3" (75 mm) from heater
3. Sensor
4. Sensor position alt 2: 3" (75 mm) from heater front
5. Sensor position: 1" (25 mm) from ceiling
6. Minimum distance from ceiling: 44" (1100 mm)
7. Minimum distance from heater guard: 4" (100 mm)
8. Minimum ceiling height: 75" (1900 mm)
9. Minimum distance: 1" (25 mm)
10. Minimum distance from heater guard: 2" (50 mm)
11. Distance from floor: 7" (175 mm)

** Combi Elite Control distance to heater is max 75 feet

Figure 3: Position the sensor according the picture.

To prevent build up of lime-scale and higher salt/mineral levels, empty the reservoir after each use. If this is not done and water is added each time you take a sauna, foam build-up could occur which can cause the level sensor to detect a higher water level than usual. There is a risk the heating element may break.
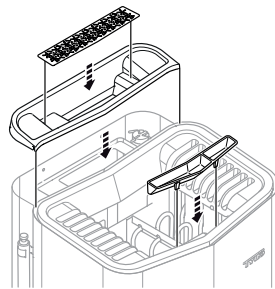
Figure 14: Fitting the cover for the water reservoir, herb grille and fragrance holder/air humidifier
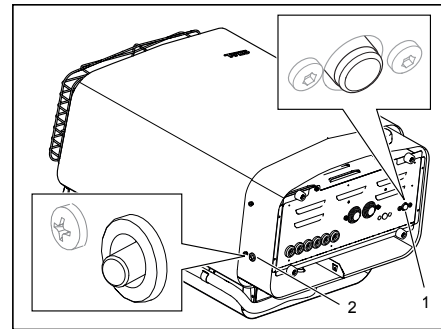
Figure 9: Resetting the temperature cut-out
1. Temperature cut-out water reservoir
2. Temperature cut-out sauna heater

Elite Control Installation Instructions
The control panel can be installed inside or outside the sauna room. If the control is installed inside the room, install no higher than 3' (90 cm) above the floor. No closer than 12" (30 cm) to heater.

Installation Without Mounting Bracket
Cut a 1-3/16" (3 cm) hole through the wall big enough for the control panel connector.

Attach the double-sided adhesive to the control panel. Before applying the control to the wall, con-nect it to the heater and electrically test everything first. Clean the surface where the control will be applied to remove all dust. Remove the protective backing from the adhesive. Silicone sealant can be applied in the groove on the back of the panel as an extra seal. Connect the control wire, push the excess wire through the hole in the wall and press the control panel firmly to the wall.
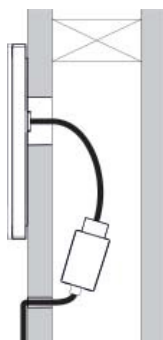
Installation Bracket
Use the mounting bracket as a template to mark screws holes on the wall. Tighten the screws a little until the bracket is nearly secured.

Remove the bracket from the wall. Use adhesive to mount the control to the bracket. Remember to position the switch according to the picture.

Elite Control Location
The control panel can be installed inside or outside of the sauna room. (Outside is Typical)

Installation without Bracket

Install without bracket Control stuck directly to the wall. Control cable in the stud cavity.

Installation with Bracket
Install with bracket
Generally only used when control wire is surface mounted; i.e. solid log style outdoor sauna.

Date	Individual	Page	Description
2018-09-17	TF	AI	Created QSG
2022-06-17	LH	2	Min. distance from wall changed from 4 to 3
2023-10-09	GN	1	Added Sense Combi-U 6. New picture of temp/hum sensor.