# SENSE COMBI PURE 2.0 Quick-Start Tip Sheet

This page to be used in conjuction with Tylo Full Manual included

2900 5263 2020-05-01

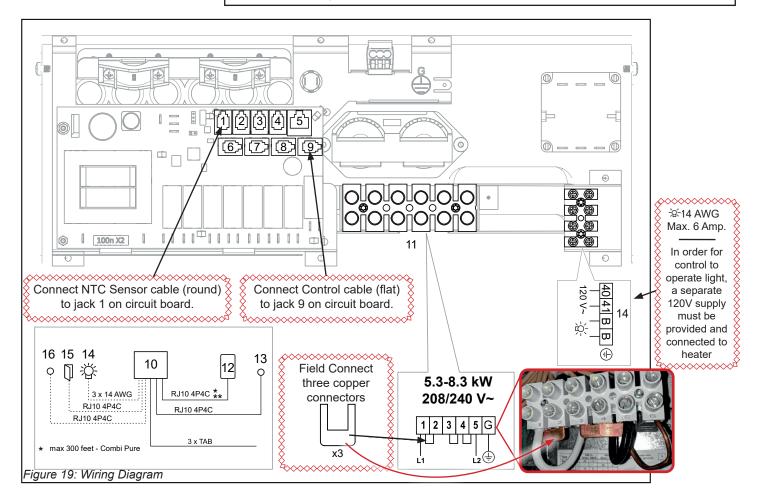




### **CONNECTION / WIRING DIAGRAM**

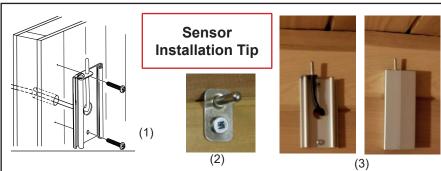
|                 | 208 V 1 Phase    |              |                  | 240 V 1 Phase    |              |                  |
|-----------------|------------------|--------------|------------------|------------------|--------------|------------------|
| Model           | Amperage<br>Amps | Output<br>kW | Wire Size<br>AWG | Amperage<br>Amps | Output<br>kW | Wire Size<br>AWG |
| 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.



Use List Below to Identify Components in Figure 19: Wiring Diagram (Above)

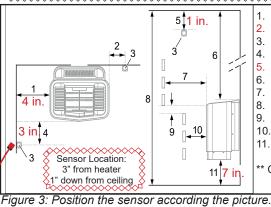
- 1. NTC Sensor Combi Pure (jack # 1)
- 2. External Switch (Optional) (jack # 2)
- 3. Door jumper pre-installed (jack # 3)
- 4. N/A
- 5. N/A
- 6. N/A
- 7. N/A
- 8. N/A
- 9. Pure 2.0 Control (jack # 9)
- 10. Heater
- 11. Terminal for connection of electrical cable
- 12. Control panel (jack # 9)
- 13. Sensor Combi Pure (jack # 1)
- 14. Light/terminal for connection of light
- 15. Door Switch is not required for N. America
- 16. External On/Off Switch (option)





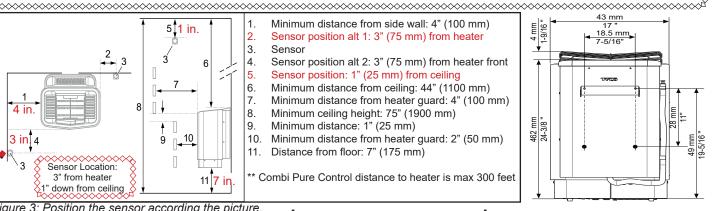
- 1. (1) If using Sensor Cover, you are supposed to feed the sensor wire through the sensor holder FIRST before running wire inside the wall. If not done first, do one of the following:
- 2. (2) Sensor with metal tab is usually installed without cover with one screw through the sensor tab directly to the finished wall.
- **3.** (3) Mount sensor holder close to sensor. Surface mount sensor as show in picture. Install cover to hide sensor wire and any hole made for wire.
- **4.** (4) <u>DO NOT</u> install cover on top of sensor after installation. It can affect heat sensitivity and cause heater high limit to trip.

- 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



Minimum distance from side wall: 4" (100 mm) 1.

- Sensor position alt 1: 3" (75 mm) from heater Sensor
- 3. Sensor position alt 2: 3" (75 mm) from heater front 4.
- Sensor position: 1" (25 mm) from ceiling
- Minimum distance from ceiling: 44" (1100 mm) 6. Minimum distance from heater guard: 4" (100 mm)
- 8. Minimum ceiling height: 75" (1900 mm)
- Minimum distance: 1" (25 mm) 9.
- Minimum distance from heater guard: 2" (50 mm)
- Distance from floor: 7" (175 mm)
- \*\* Combi Pure Control distance to heater is max 300 feet





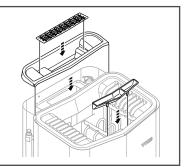
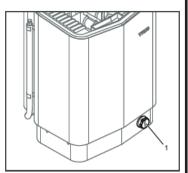


Figure 14: Fitting the cover for the water reservoir, herb grille and fragrance holder/air humidifier



Main Power Switch: On/Off Knob comes packed inside rock tray. Field install. Turn knob to turn on heater.

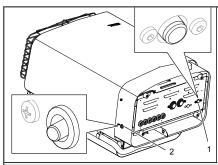


Fig. 9: Resetting the temperature cut-out

- 1. Temperature cut-out water reservoir
- 2. Temperature cut-out sauna heater



**Pure 2.0 Control Location** 

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

#### **Pure 2.0 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 Bracket (Typical)

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, connect 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.

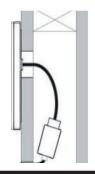
## Installation with Bracket

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.

#### **Installation without Bracket**

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



# Installation with Bracket

Generally only used when control wire is surface mounted; i.e. solid log style outdoor sauna.



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. >>>>>>>>>>