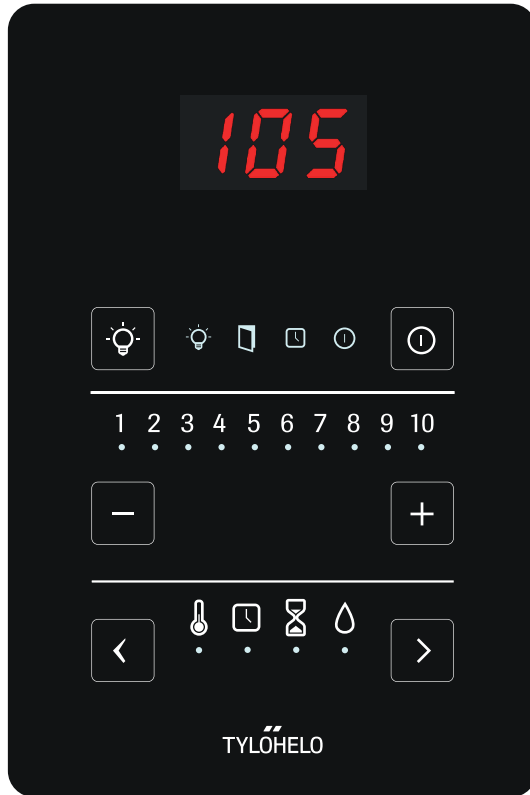


# PURE 2.0 (QSG)

## Quick Start Guide



## Installation and User Guide

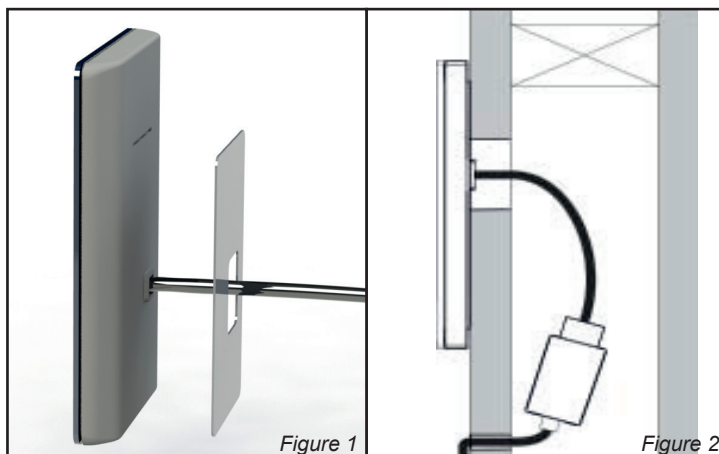
Read the user guide and instructions for the sauna heater. Electrical connections should be performed by an authorised electrician. **SAVE THESE INSTRUCTIONS!** The instructions should be given to the heater/sauna owner or person responsible for servicing after installation.

## Installation Guide

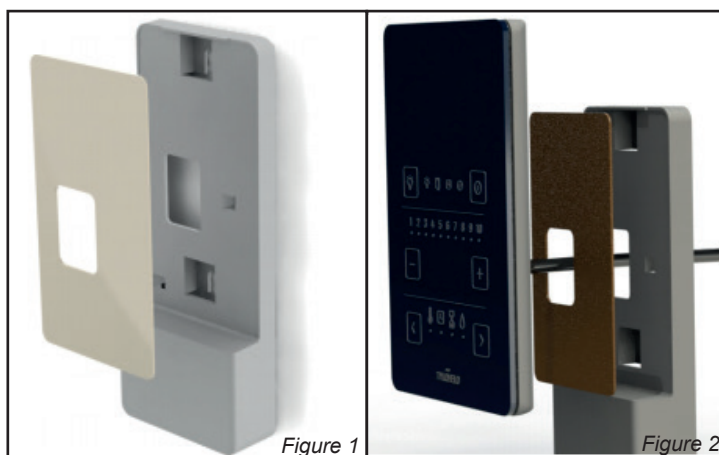
The control panel can be installed inside or outside the sauna/steam room. If installing inside the sauna cabin, the upper edge must not be more than 36" (92 cm) above the floor, and must be at least 12" (30 cm) from the side of the heater.

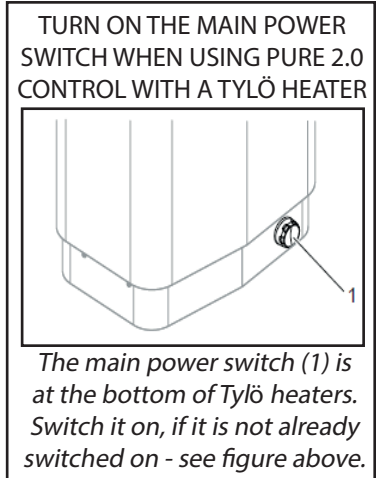
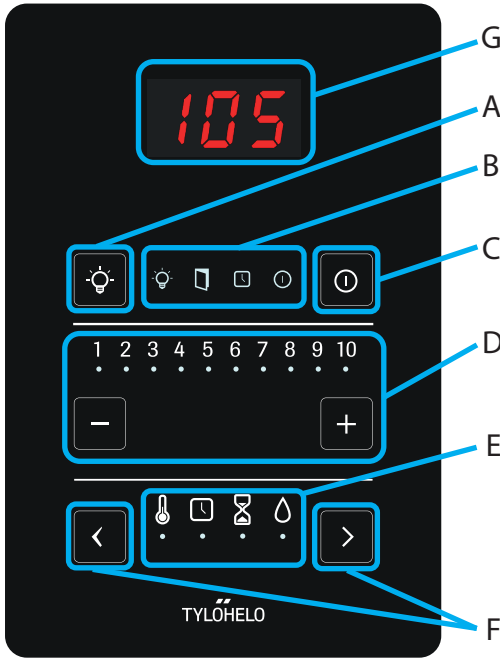
The unit can be mounted on the wall using the double-sided adhesive supplied. A 1-3/16" (30 mm) hole through the wall is required if mounting the control panel directly on the wall.

### Installation without Bracket



### Installation with Bracket





- A. Light - Switches light on/off
- B. Indicators for light, door contact, delayed start and to show that the heater is working (Note: Door Contact not required for USA or Canada).
- C. Start, stop and error indication
- D. Scroll 1 to 10 to enter settings for various functions.
- E. Function selection for temperature, delayed start, operating time and humidity (Note: Humidity setting only applies to Combi Sauna Heaters).
- F. Function selection buttons.
- G. Temperature display. Displays current temperature

Powering Up for the First Time: When the control is first powered up, the 4 status indicators (section B) will flash until communication has been successfully established. This can take up to several minutes. When complete, the number 4 LED (section D) will flash 4 times. And then the current temperature will display. The "door open" LEDs may flash at the end of power up cycle. Please disregard. It refers to a function only used for heaters in Europe. This sequence will happen anytime the main power is turned on, off and on (i.e. circuit breaker or heater on/off switch).

The Default program is set to run for a maximum of 60 minutes and a maximum of 194°F (90°C).



**Starting Sauna:** To start the sauna, press the power button (section C). The power indicator will turn green. The last temperature and operating time will be initiated. The LED under the number 1 (section D) will begin to flash and as the temperature increases, the flashing LED will move to the corresponding number (1-10)



**Setting Delayed Start:** You can set your control to start at a later time, up to 10 hours from the time you press the start button. Use the function selection buttons (section F) to select the timer symbol. Use the -/+ buttons to select the number of hours until the heater is to start (1-10 hours). Activate the delayed start by pressing the Start button (section C).

The indicator symbol for delayed start will light (section B) and the time delay LED will start to flash. The flashing indicator will count down and show the time remaining until the heater starts. Once the heater starts, the panel will switch to showing the set temperature automatically.



**Setting Sauna Time:** Sauna time is set when the heater is OFF. Use the function selection buttons (section F) to select operating time setting. Use the -/+ buttons to select the operating time 1-10.

Version	LED indicators									
	1	2	3	4	5	6	7	8	9	10
1 h	6 min	12 min	18 min	24 min	30 min	36 min	42 min	48 min	54 min	1 h



**Setting Temperature:** Use the function selection button (section F) to select the temperature setting. Use the -/+ buttons to then select the desired temperature setting 1-10. The maximum temperature (10) is 194°F (90°C), when measured at the temperature sensor.

1	2	3	4	5	6	7	8	9	10
104°F	115°F	124°F	135°F	144°F	155°F	163°F	174°F	183°F	194°F
40°C	46°C	51°C	57°C	62°C	68°C	73°C	79°C	84°C	90°C

Once the temperature has been set and the heater started, the set temperature will be indicated continuously and actual temperature will be indicated by a flashing indicator. When set point is reached, the flashing will stop.

**Changing from Fahrenheit (°F) to Celsius (°C):** When sauna is turned on, press and hold left arrow (<) for five seconds. The temperature icon will flash twice, and then temperature format will change.

**Using an External Switch:** An external switch for starting/stopping the sauna can be connected to the heaters main PCA board via RJ10 modular connection. Contact TyloHelo Inc. for further information and to order the external switch.



Setting Humidity Level (Combi Heaters Only)

Use the function selection button (section F) to select the humidity setting. Use the +/- buttons to then select the desired humidity levels 0-10. Select 0 (off) by pressing < when humidity is set to 1. Each step on the scale indicates the length of time for which the element in the water tank will operate. Both humidity and temperature can be changed during operation. While the sauna is heating up, the amount of steam produced depends on the temperature level that is set. Humidity is prioritised with temperature settings 1-5 and temperature is prioritised for settings 6-10. When humidity is prioritised, steam is produced according to the setting; when temperature is prioritised, humidity only runs once the set temperature is reached.

When the water reservoir is low, three beeps will sound and the water drop symbol will flash. Top up with water until a long beep sounds.

After a sauna session ends, when the reservoir has been in use, a sauna drying process will start. The sauna will be heated to 80°C for 20 minutes. The ON symbol will flash to indicate that drying is in progress. To switch off the drying process, press the power button (section C).

Set Temperature (approximate value, °F / °C)									
1	2	3	4	5	6	7	8	9	10
104°F	115°F	124°F	135°F	144°F	155°F	163°F	174°F	183°F	194°F
40°C	46°C	51°C	57°C	62°C	68°C	73°C	79°C	84°C	90°C

	Humidity Settings									
	Humidity is Prioritised					Temperature is Prioritised				
	1	2	3	4	5	6	7	8	9	10
Tank on (min:sec)	01:45	02:00	02:17	02:33	02:47	03:05	03:20	03:35	03:50	Continuous
Tank off (min:sec)	02:23	02:08	01:51	01:35	01:21	01:03	00:48	00:33	00:18	No Break

Standard Settings

Soft Sauna: Set Temperature at 1 and Humidity at 10

Traditional Dry Sauna: Set Temperature at 10 and Humidity to minimum (below 1)

Suggested Settings

1) If you enjoy a "hot" sauna: Set Temperature at 9 or 10 and Humidity at 10. Sauna will heat first to around 180°F (80°C), then steam will commence. With the addition of steam, the sauna will "feel" very hot.

2) Classic "Tylarium": Set Temperature to 5 or 6 and Humidity at 10. Sauna will heat first to around 140-150°F (60-65°C). Steam will be almost continuous. A very comfortable and enjoyable sauna experience without the harsh edge.

Error Messages: If an error should occur on the heater or other equipment (control panel, temperature sensor etc.) the power indicator will turn red and an error message will be shown using LED indicators (section D). The indicator LEDs will flash whilst one LED on the 1-10 scale is continuously lit or flashes. If it lights continuously, it refers to error message 1-10 and if it flashes, it refers to error messages 11-20.

### Error Messages

*- indicates not relevant to this application*

1. Temperature sensor not connected or faulty
2. Temperature sensor in steam tank not connected or faulty.
3. Heater circuit board overheated
4. The level electrodes in the tank are short-circuited (Combi)
5. The steam tank overfull level electrodes are not working.
6. Contact lost with the heater network control panel node.
7. Contact lost with the heater grid node temperature/humidity sensor.
8. The steam tank has overheated.
9. Real-time clock (RTC) communication error.
10. -
11. There is a fault in the emptying of water from the steam tank. Switch off the power and perform servicing.
12. The level electrodes are not working. Mid. failure. (Combi)
13. -
14. -
15. Contact lost with the heater network relay board node.
16. Temperature cut-out is activate, must be reset.
17. -
18. Too many slave units connected.
19. Door has been open for more than 5 minutes when the sauna is on.
20. Door has been opened. Check sauna.

For certain errors, disconnecting current to the heater for a brief period and then reconnecting can be tried (i.e. turning circuit breaker off and on).

Note: Error #3 refers to circuit board overheating. It will automatically reset. This should not be confused with the heater high temperature safety limit (white stem on left side of heater junction box). If this trips, it must be manually reset once the heater has cooled sufficiently. Always investigate why the heater overheated. It can be the result of insufficient room ventilation or the rocks need to be replaced or re-stacked.

For other errors, contact your dealer or TyloHelo Inc. Technical Support at 1-888-780-4427 or email at [techsupport@tyloheloinc.com](mailto:techsupport@tyloheloinc.com)

TYLÓHELO