



Sauna Control Models Pure 2.0 (Type # 1601-40 and 1601-40-1)

Read all instructions carefully before installation. Please leave all instructions and warranty with the owner.

WARNING

Prolonged exposure to elevated temperatures is capable of inducing hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches several degrees above the normal body temperature of 98.6°F. The symptoms of hyperthermia include an increase in the normal temperature of the body, dizziness, lethargy, drowsiness, and fainting. The effects of the hyperthermia include failure to perceive heat, failure to recognize the need to exit the room, unawareness of impending hazard, fetal damage in pregnant women, physical inability to exit the room and unconsciousness.

WARNING

The use of alcohol, drugs, or medication is capable of greatly increasing the risk of fatal hyperthermia.

SECTION 1: GENERAL INFORMATION

The controls are ETL approved by Intertek for permanent installations and electrical connections. Refer to the heater or steam generator “Installation and Operation Instructions” for complete information about the electrical wiring. All wiring must be performed in accordance with national and local codes.

WARNING

Do not take a sauna if using alcohol, drugs or medications.

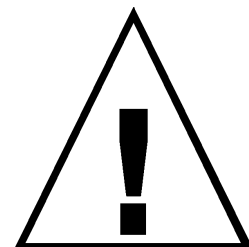
Pregnant women or persons with poor health should consult their physician before using any sauna.

Caution fire hazard: Do not use the sauna room for drying clothes, bathing suits, etc. Do not hang towels above heater or place any object other than the rocks supplied on the heater. If any darkening of the wall around the heater is noticed discontinue sauna use immediately.

Inspect sauna regularly for required maintenance to heater, control and benches. Replace wood surfaces which show any signs of deterioration.

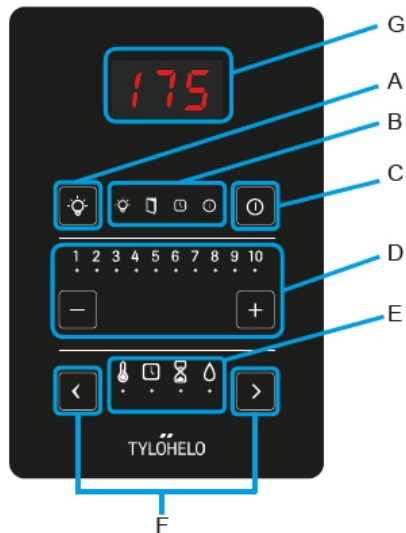
The heater gets extremely hot during operation and should not be touched or burns may result.

Minors should be adequately supervised whenever near a hot or warming sauna.



OPERATING INSTRUCTIONS

SECTION 2: CONTROL OPERATION



- A. On/Off Light switch
- B. Indicators - lights for lighting, door switch (n/a), timer and the heater
- C. On/Off Sauna Switch and fault alarms
- D. Sets the desired value
- E. Functions - Temperature, Delay Timer, Sauna Length and Humidity (n/a)
- F. Function buttons

CONTROL OPERATION:

TURN ON LIGHT: Press the "light bulb" icon once to turn on the light and press again to turn off. (Usage of light control is optional)

SAUNA LENGTH:

(Control 1601-40) Select the sauna length function by pressing the buttons < > (F). Set the desired usage time (0–60 minutes) using the – and + buttons. (Setting 10 equals 60 minutes)

(Control 1601-40-1) Usage time is 0-24 hours operation (Setting 1 = 2 hours, setting 10 = 24 hours) version has a maximum sauna length of 24 hours and can be used only when a facility has an attendant on duty to monitor the people in the sauna .

Version	LED									
	1	2	3	4	5	6	7	8	9	10
1 hour	6 min	12 min	18 min	24 min	30 min	36 min	42 min	48 min	54 min	60 min
24 hour	2 hr	4 hr	6 hr	8 hr	10 hr	12 hr	14 hr	16 hr	18 hr	24 hr

SET TEMPERATURE: Press function button (F). Then you can choose the desired temperature 1–10 using buttons – and +. (Setting 10 equals highest set point.)

When the desired temperature has been set and the heater is switched on the set temperature indicator light will remain on and the current temperature indicator LED will flash. When the current temperature reaches the set value the indicator light will stop flashing.

WARNING

Fire sprinkler systems used inside any sauna room should be properly rated for sauna room temperatures.

Do not pour chlorinated pool or spa water on heater. Excessive water use on heater may cause damage and void warranty.

Electric Shock Hazard - High voltage exists within this equipment. There are no user serviceable parts in this equipment. All installation and service to this equipment should be performed by qualified licensed personnel in accordance with local and national codes.

Do not construct sauna room so as to restrict air flow through the bottom of the heater.

Packing the rocks too tightly may cause the heater high limit switch to trip.

SECTION 2: OPERATION, Continued

FAHRENHEIT or CELSIUS: The temperature will be displayed in Fahrenheit as default. To change the temperature display, apply power to the system for over 5 minutes and the LED temperature indicator must be glowing. Next, press the < button for 5 seconds. After 2 seconds the temperature indicator will start flashing, and a C or F will appear in the temperature display to indicate that the temperature display has been changed.

START HEAT IMMEDIATELY:

Start the heater on by pressing the On/Off button. The latest temperature and usage time settings will remain preset. A green indicator light will come on in area (B) to indicate that the device has been switched on.

You may switch the system off before the usage time ends by pressing the same button again. The indicator light will go out.

TIME DELAY START TIME: The control may be set to delay start mode to activate the heater after a preset amount of time. Select the clock symbol using the function button (F). Use the – and + buttons to select the amount of hours (1–10 hours) after which the device will switch on. Activate a later start by pressing the Start button (C).

The timer symbol light will come on (in field B) and the selected time-lapse indicator light will start flashing. The flashing indicator measures and indicates the time leading up to the device being switched on. When the heater starts, the control panel will automatically show the set temperature.

SECTION 3: HOW TO TAKE A SAUNA

- When taking a sauna, allow time to relax completely.
- Remove clothing and jewelry...if required, wear a towel loosely.
- After 10 minutes or when perspiration begins, leave sauna and relax in dressing area...follow with a cool shower.
- Cooling time should equal time spent in sauna. Enter sauna room again and stay 5 or 10 minutes.
- Repeat the cycle 2 or 3 times; end with a brisk shower...rinse in cool water.
- Dress when completely dry and perspiration has stopped.
- Some sauna bathers enjoy the soothing effect of steam by splashing water on the heated sauna rocks. Use only one dipper full (approx. ½ cup) at a time and keep clear of the steam as it rises off the rocks.
- Do not smoke, exercise or drink alcoholic beverages in the sauna room.
- Do not pour chlorinated pool or spa water on the heater or corrosion damage may result.



Shower



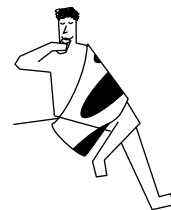
Sauna (10 - 15 min.)



Shower or swim



Rest (10 - 15 min.)



Relax with juice or water

You liked it?
Do it once again and
you will feel great.

SECTION 4: TROUBLESHOOTING

Control will Run but No Heat - Press the (reset) high limit switch on the bottom of heater.

Slow Heat Time or High Limit Tripping - Check rock placement, they will break down over time and reduce the air flow in the heater. Refer to Diagram 10 for proper rock installation. Discard all rocks under the size of 2" pieces. Call the number below to order more rocks if needed.

CAUTION: Use only a contractor approved for 250,000 endurance Cycles / ATTENTION: Utiliser uniquement un contacteur approuvé pour 250,000 cycles de fonctionnement

In the event of a fault occurring in the heater system (control panel, temperature sensor, etc.), this will be signaled by the LED indicator light on the control panel. The fault indicator light will be displayed on the 1-10 scale of the control. The fault error code will be displayed with a constant LED light or a flashing LED light. See the list below for fault codes.

Note: The LED indicators do not turn off, some indicators will glow as long as power is applied to the system.

Constant LED Fault Code (ones marked with "n/a" are not in use):

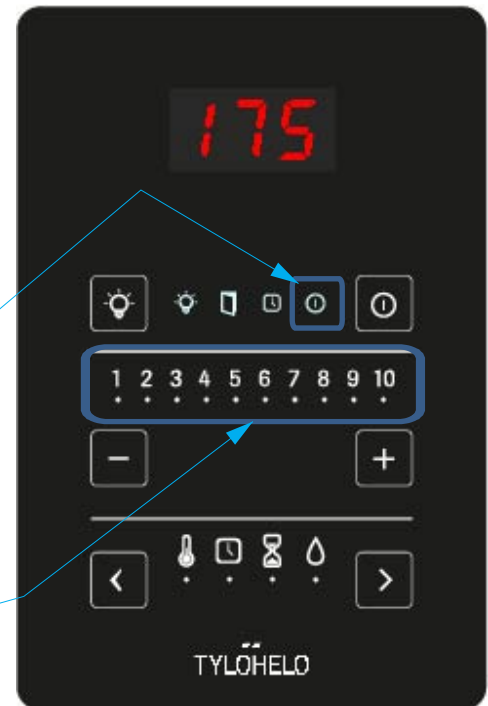
- 1 Temperature sensor not connected or shorted
- 2 n/a
- 3 Heater circuit board overheated
- 4 n/a
- 5 n/a
- 6 Communication lost between control and circuit board in heater.
- 7 n/a
- 8 n/a
- 9 n/a
- 10 n/a

Flashing LED Fault Code

- 1 n/a
- 2 n/a
- 3 n/a
- 4 n/a
- 5 n/a
- 6 n/a
- 7 n/a
- 8 n/a
- 9 Door Switch is open for more than 60 seconds while heating or jumper on circuit board in heater is removed.
- 10 Door Switch is open for more than 60 seconds in "Delay" Mode or jumper on circuit board in heater is removed.

LED Flashes Red during a fault

1 - 10 Indicates the fault code



For troubleshooting or service questions call 1-888-780-4427 and ask to speak with service. Prior to calling, please have the Model and Type number available. You may also email us at techsupport@tyloheloinc.com