HI-TEMP ALARM
FOR SAUNAS AND STEAM ROOMS

One of the main reasons for developing our High Temperature Sauna & Steam Room Alarm was to reduce the risks associated with operating a sauna or steam room in a commercial facility. Our alarm provides a backup system to automatically shut down your heater or steam generator if the room rises above the safe heat levels.

Our alarm is also designed to prevent sauna and steam room temperature tampering. If a sauna or steam room guest attempts to manipulate the maximum allowed temperature our high temperature alarm will shut down the heater automatically. Our high temperature alarm works independently of the sensor built into the heating unit and continually monitors the room temperature. The maximum allowed heat level is set by the facility owner and can be adjusted at any time via your alarm dashboard.

From any connected device you can receive alerts for when your sauna or steam room's temperature goes above the limit you set. You can log into your dashboard at any time to see what temperature the room's is at in real time. You can rest easy knowing that if a guest or patron tampers with the heater sensor, or the heater malfunctions, the sauna alarm sensor will work independently to shut down the heater remotely.

SCANDIA
sauna alarm
72.4 °F
HiLimit 180.0 °F

Marriott Men's Sauna   sa-000105

Sauna-Alarm

Benefits

Safety

- Hi-Temp Alarm Siren
- Front Desk Notifications
- Sms Text Alerts
- In Room Panic Button
  (Optional for Saunas Only)

Remote Data

- Front Desk Dashboard
- Front Desk Alerts

Machine Ware and Tear

- Redundant Sensor for Automatic
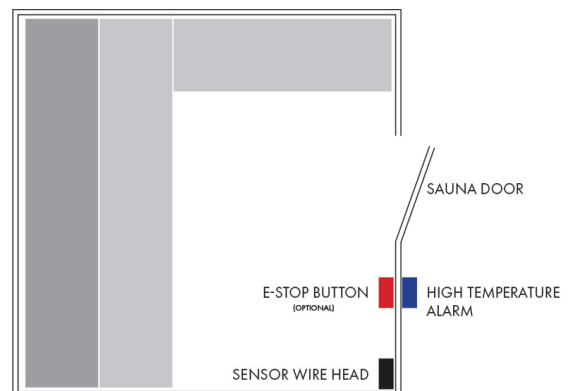 Heater Shut Off
- Automated Temp Control

Health Safety

Scandia Manufacturing offers an optional emergency stop in-room panic button for saunas. When the emergency stop is triggered it instantly initiates the emergency response parameters:

1. Shuts down sauna system

2. Triggers an 85db alarm outside of the room

3. Initiates an alert notification on the front desk staff computer application

4. Presents a message on the alarm LCD screen (outside of room) stating assistance is needed inside

The emergency stop button is only available for sauna units.

SAUNA DOOR

E-STOP BUTTON
(OPTIONAL)

HIGH TEMPERATURE ALARM

SENSOR WIRE HEAD

On-screen Utility (remote access also)
Access the SSIC configuration utility (password protected) directly on system screen via touch or from a remote desktop.

Computer Board Specifications
Processor
1GHz ARM® Cortex A8 (AM335x)
3D graphics accelerator
NEON floating point accelerator
2x PRU 32 bit microcontrollers
Board size: 3.4" x 2.1"

Connectivity
USB client: power, debug and device
USB host
Ethernet
Micro SD
Micro HDMI output
2x 46 pin headers 2x I2C, 5x UART, I2S, SPI, CAN, 66x 3.3V GPIO, 7x ADC

Software
4Gb Embedded MMC Flash with Debian Distribution

Display Specifications
- 7.0" TFT LCD
- Resistive Touch Screen
- 7 push buttons including LEFT, RIGHT, UP, DOWN, ENTER, RESET and POWER

- 2 LED Lights for Power and User
- 2x2 Jumper with shunts for EEPROM CAPE ID selection
- Module dimensions: 179.9 x 114.9 x 19.5mm
- PC Module dimensions: Approx 179.9 x 114.9 x 25.7mm
- 4x 3.5mm Mounting holes

Temp Sensor Specifications (Model DS18B20)
- Usable temperature range: 55 to 125°C (67°F to +257°F)
- 9 to 12 bit selectable resolution
- Uses 1 Wire interface requires only one digital pin for communication
- Unique 64 bit ID burned into chip
- Multiple sensors can share one pin
- ±0.5°C Accuracy from 10°C to +85°C
- Temperature limit alarm system
- Query time is less than 750ms

Relay Module Specifications (Model DS18B20)
- Number of Relays:2/4/8
- Rated voltage:DC 5V
- Relay switching power:10A 250VAC
- Baud rate:9600
- Communication Port:USB/Wireless
- Support Xbee/Bluetooth/WiFi Control
- Supply voltage:USB powered or 5V DC*