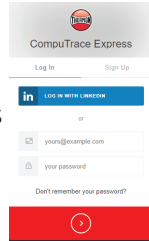


# CompuTrace Express Quickstart Guide

Welcome to CompuTrace Express, the premiere online design tool for heat tracing systems. Create a project, set parameters, and let CompuTrace Express design your optimal heating system using Thermon's products. This video will help you get started.

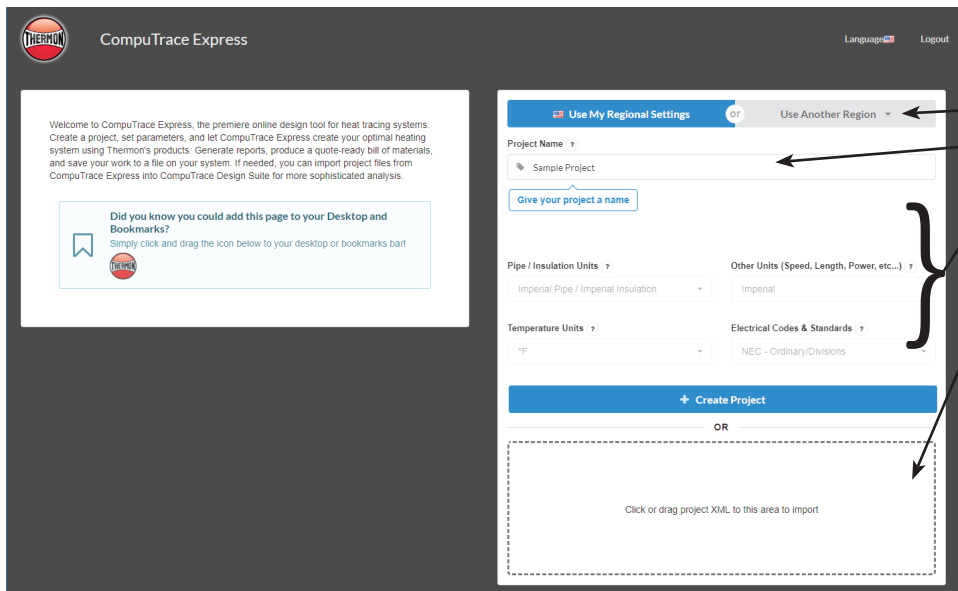
## Access

Access to CompuTrace Express is available at thermon.com. You can create an account to log in, or simply use your LinkedIn credentials to access the program.



## Main Landing Page

This screen enables setup and creation of a new project, or uploading a previously designed project.



### Specify:

- Regional Settings
- Project Name
- Project Properties

- or -  
Upload a Previously Saved Project

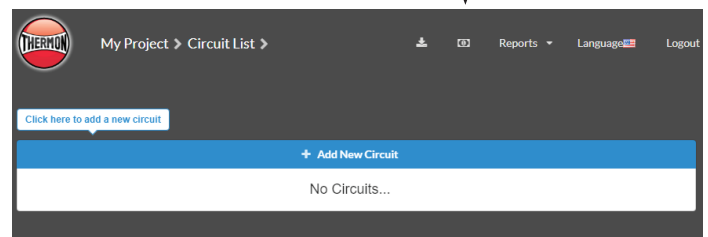
When design parameters are complete, click:



## Circuit List

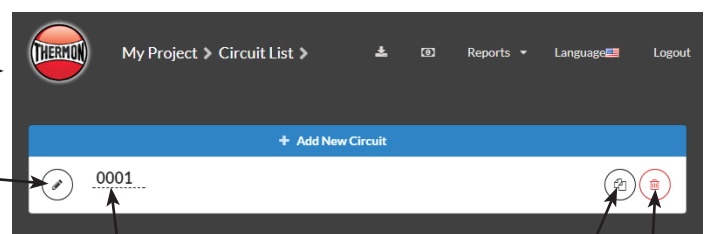
All of the Circuits in the current Project are listed here to allow for quick overview and navigation.

To create a new Circuit, click:



To edit the Circuit, click the Edit Circuit Icon:

(Next Page)



Click to name Circuit  
(Default is numbered List)

Click to copy Circuit

Click to delete Circuit

# Quick Key

## Circuit List

0001

Clicking on the Circuit name allows the user to rename the Circuit.



Indicates the Circuit is not successfully designed. Clicking this icon will take you to the design results.



Click the pencil icon next to the Circuit name to edit the design parameters for that Circuit.



Deletes the Circuit.



This creates a copy of the existing Circuit.

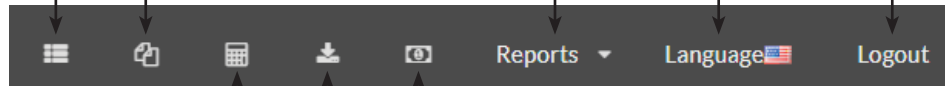


Indicates the Circuit has a validation error. Clicking this icon will take you to the screen where the validation error occurs.



Indicates the Circuit is successfully designed. Clicking this icon will take you to the design results.

## Page Header



Clicking the Circuit List icon will navigate you back to the Circuit List screen.

Clicking the Copy Circuit icon will automatically copy the selected Circuit and navigate you to the New Circuit edit screen.

Clicking the Design icon will run a design for the current Circuit.

Project Download- this button allows you to download your current Project design and settings as an XML file. Downloaded files can be uploaded into the main landing screen of CompuTrace Express to do more work at a later time.

Request a Quote- this button allows you to request a quote from Thermon for your current project.

Clicking **Reports** will produce a list of reports available for the entire project level (Circuit level reports are available by clicking an individual Circuit).

Clicking **Language** will allow you to choose a different language.

Clicking **Logout** will log you out of the application.

## Circuit Wizard Form

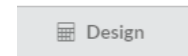
Define all of the parameters of the new circuit here. For more advanced analysis, click **Convert to Advanced Circuit** at the bottom of the form.

The screenshot shows the 'Circuit Wizard Form' in a web application. The breadcrumb navigation is 'My Project > Circuit List > 0001'. The form is divided into two tabs: 'Circuit' (active) and 'Design Results'. The 'Circuit' tab contains the following fields:

- Pipe Type: CS-40
- Pipe Size: 0.5
- Pipe Length: 100 ft
- Insulation Type: MF
- Insulation Thickness: 1
- Voltage: 230 Vac
- Circuit Breaker Size: 16 A
- Maintenance Temperature: 40 °F
- Min. Ambient: 0 °F
- Temperature Control Type: Pipe Sensing
- Wind Speed: 25 mph

At the bottom of the form, there is a 'Defaults' section and a blue banner with a wrench icon that reads: 'Need more configuration? Convert to an Advanced Circuit if the circuit design requires any of the values in the Defaults dropdown be adjusted, or needs to include heat sinks such as valves, flanges, pumps or supports.' Below this banner is a 'Convert to Advanced Circuit' button. At the bottom right of the form is a 'Design' button.

When all of the parameters from the circuit are entered, click:



## Design Results

After clicking Design, the CompuTrace Express will show you the Design Results screen. Here you will either receive successful Design results, or a failed Design with a list of suggested remedies.

To produce a Bill of Materials, click:

Get Bill of Materials

To request a quote from Thermon for your circuit or project click:

Submit for Quote

The screenshot shows the 'Design Results' screen in the software interface. The breadcrumb navigation is 'My Project > Circuit List > 0001'. The 'Design Results' tab is active. At the top, there is a green banner with the text 'DesignSuccessful' and four buttons: 'Get Bill of Materials', 'Submit for Quote', 'Add Another Circuit', and 'Back to Circuit List'. Below the banner, there is a 'Success' message. The main content area is divided into two columns. The left column is titled 'Results' and contains the following information:

- Selected Cable: BSX 3-2-OJ
- Heater Length: 103.4 ft
- Heat Loss: 1.5 W/ft
- Power Output: 3.0 W/ft

The right column contains three expandable sections: 'Temperatures', 'Allowances', and 'Electrical'.