

**Partner: Steamist**  
**Model: TSC-450**  
**Device Type: Steam Spa Controller**



### GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Steamist TSC-450 IP v1.0
<b>CATEGORY:</b>	Steam Spa Controller
<b>VERSION:</b>	V1.0
<b>SUMMARY:</b>	This module provides TCP/IP control and feedback for the Steamist TSC-450.
<b>GENERAL NOTES:</b>	This module provides control of the Steamist TSC-450 steam controller for your shower or sauna. It was developed and tested with the Steamist TSC-450. Certain button presses are programmed within the logic that will be used for future control.
<b>CRESTRON HARDWARE REQUIRED:</b>	C2ENET-*, C2I-CP3CNET-1
<b>SETUP OF CRESTRON HARDWARE:</b>	TCP/IP Client Port: 9761
<b>VENDOR FIRMWARE:</b>	V301
<b>VENDOR SETUP:</b>	All other set up is required via Steamist's web browser through a WiFi connection.
<b>CABLE DIAGRAM:</b>	N/A

### CONTROL:

<b>Button_0_(OFF)</b>	D	Press to turn power OFF.
<b>Button_1_(MEM1)</b>	D	Press to turn on memory preset 1.
<b>Button_2_(MEM2)</b>	D	Press to turn on memory preset 2.
<b>Button_3-9</b>	D	Button presses for future use.
<b>Connect</b>	D	Signal held high for TCP/IP connection.
<b>Poll</b>	D	Signal oscillated to poll for status feedback
<b>{{TCP/IP_Client_&gt;&gt;Connect-F}}</b>	D	Digital signal to be routed from the Connect-F output on the TCP/IP client symbol.
<b>{{TCP/IP_Client_&gt;&gt;_status}}</b>	A	Analog signal to be routed from the status output on the TCP/IP client symbol.
<b>{{TCP/IP_Client&gt;&gt;RX\$}}</b>	S	Serial signal to be routed from the RX\$ output on the TCP/IP client symbol.

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**FEEDBACK:**

Location_Area	S	Serial signal indicating the current location to be sent to the display.
Temp_Units	S	Serial signal indicating the current temperature units (Celsius or Fahrenheit) to be sent to the display.
Current_Temp	S	Serial signal indicating the current temperature setting indicated by Steamist panel to be sent to the display.
Minutes_Remaining	S	Serial signal indicating the current time remaining in minutes set by the memory preset to be sent to the display.
Seconds_Remaining	S	Serial signal indicating the current time remaining in seconds set by the memory preset to be sent to the display.
Button_0_(OFF)_Pressed	D	High to indicate that the power is set to OFF.
Button_1_(MEM1)_Pressed	D	High to indicate that the current memory preset is 1.
Button_2_(MEM2)_Pressed	D	High to indicate that the current memory preset is 2.
Button_3-9_Pressed	D	High to indicate button pressed (3-9) **For future use**
Connected	D	High to indicate that the TCP/IP client is connected
Status	A	Analog signal indicating the connection status.
Connection_Status_Text	S	Serial signal indicating the connection status.
{{Connect_>>_TCP/IP_Client}}	D	Digital signal to be routed to the connect input on the TCP/IP client symbol.
{{TX\$_>>_TCP/IP_Client}}	S	Serial signal to be routed to the TX\$ input on the TCP/IP client symbol.

**PARAMETERS:**

Port_Number		Port number set to default 9761
Poll_Timer		Poll timer set to default 5 seconds. Can be set dynamically inside demo program.

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**TESTING:**

<b>OPS USED FOR TESTING:</b>	2 Series: v4.007.0004 3 Series: v1.008.0040
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.02.20.00
<b>DEVICE DB USED FOR TESTING:</b>	52.00.007.00
<b>CRES DB USED FOR TESTING:</b>	42.00.004.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	508
<b>SAMPLE PROGRAM:</b>	Steamist TSC-450 IP v1.0 Demo PRO2.smw Steamist TSC-450 IP v1.0 Demo MC3.smw
<b>REVISION HISTORY:</b>	v1.0 – Original release.