

Partner: Unique automation
Model: Bathomatic
Device Type: Jacuzzi Controller



GENERAL INFORMATION:

SIMPLWINDOWS NAME:	Unique automation Bathomatic v1.0.umc
CATEGORY:	Pool/Jacuzzi Controller
VERSION:	v1.0
SUMMARY:	The module allows controlling the Bathomatic system from Unique Automation.
GENERAL NOTES:	<p>The communication between Crestron and the Bathomatic system is made by IP on telnet port 23.</p> <p>Module functionality:</p> <ul style="list-style-type: none"> - Fill / Pause / Empty Bath - Set Temperature, Depth and dispensers settings of a new bath - Save/Recall 1-9 Presets - if a preset is recalled and the bath is not empty, the bath will be emptied and then the bath will be filled with the preset settings. <p>!!!! IMPORTANT !!! After a connection is made, the digital input "Start up procedure" needs to be triggered. This function retrieves current values, the names and settings of the 9 presets, turns auto update (life feedback) on and retrieves the names of the 8 different dispensers. !!!! IMPORTANT !!!</p>
CRESTRON HARDWARE REQUIRED:	2-Series Processor with an Ethernet connection.
SETUP OF CRESTRON HARDWARE:	Pro2 processor with an Ethernet card. The connection is made on port 23.
VENDOR FIRMWARE:	BOM2 Protocol 1.0.0.2
VENDOR SETUP:	Bathomatic connected to the web. The connection is made on port 23.

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CONTROL:

Trigger Start Up Procedure	D	Pulse to trigger the start up procedure.
Show Presets Page	D	Pulse to show the presets page.
Show Dispensers Page	D	Pulse to show the dispensers page.
Show Settings Page	D	Pulse to show the settings page.
Fill Bath	D	Pulse to start filling the bath with current depth/temp and dispensers settings.
Pause Bath	D	Pulse to pause the bath.
Empty Bath	D	Pulse to empty the bath.
New Bath Temperature Up	D	Pulse to increase the temperature value of the new bath.
New Bath Temperature Down	D	Pulse to decrease the temperature value of the new bath.
New Bath Depth Up	D	Pulse to increase the Depth value of the new bath.
New Bath Depth Down	D	Pulse to decrease the Depth value of the new bath.
Show Preset X	D	Pulse to show the settings of Preset X.
Load Selected Preset	D	Pulse to load the settings of the selected preset and start filling the bath.
New Bath DispX up	D	Pulse to increase the value of dispenser X.
New Bath DispX down	D	Pulse to decrease the value of dispenser X.
Save On Preset X	D	Pulse to save current settings on preset X.
Connect	D	Pulse to start/stop the connection with the Bathomatic system.
{{TCP/IP_Client_>>_Connect-F}}	D	Needs to be connected to the Connect-F output of the TCP/IP Client.
{{TCP/IP_Client_>>_status}}	A	Needs to be connected to the Status output of the TCP/IP Client.
{{TCP/IP_Client_>>_RX\$}}	S	Needs to be connected to the RX\$ output of the TCP/IP Client.

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FEEDBACK:

Presence detected	D	High to indicate that presence is detected.
Plug Is Closed	D	High to indicate that the plug is closed.
Presets Page is selected	D	High to indicate that the Presets page is selected.
Dispensers Page is Selected	D	High to indicate that the Dispensers page is selected.
Settings Page is selected	D	High to indicate that the Settings page is selected.
Bath filling	D	High to indicate that the bath is filling.
Bath is Paused	D	High to indicate that the bath is Paused.
Bath is Emptying	D	High to indicate that the bath is Emptying.
New Bath Temperature	A	Analog output containing the new bath temperature value.
Bath Depth animation value	A	Analog output containing the bath depth animation value.
Preset X is selected	D	High to indicate that preset X is selected.
Preset is Saved	D	High for 2 seconds to indicate that the preset is saved.
New Bath DispX	A	Analog output containing the value of dispenser X.
Shower status	A	Analog output containing the shower status.
Shower flow	A	Analog output containing the shower flow.
Shower temp	A	Analog output containing the temperature of the shower.
Active preset nr	A	Analog output containing the number of the active preset.
Preset desired temp	A	Analog output containing the value of the desired temp of the selected preset.
Preset desired depth	A	Analog output containing the value of the desired depth of the selected preset.
Current temp	A	Analog output containing the value of the current temperature.
Current depth	A	Analog output containing the value of the current depth
Bathomatic status	A	Analog output containing the status of the Bathomatic system.
Current temp str	S	Serial value containing the value of the current temperature.

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Current depth str	S	Serial value containing the value of the current depth.
Bathomatic Text status	S	Serial value containing the Bathomatic status.
Name Dispenser[X]	S	Serial value containing the name of dispenser X.
Preset Name[X]	S	Serial value containing the name of preset X.
Connect-F	D	High to indicate that the system is connected.
Status	A	Analog value containing the status of the connection.
{{Connect_>>_TCP/IP_Client}}	D	Needs to be connected with the Connect input of the TCP/IP Client.
{{TX\$_>>_TCP/IP_Client}}	S	Needs to be connected with the TX\$ input of the TCP/IP Client.

PARAMETERS:

Port number	A	Contains the value of the connection port.
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TESTING:

OPS USED FOR TESTING:	PRO2 4.001.1011 (Feb 10 2009)
SIMPL WINDOWS USED FOR TESTING:	v2.11.27
CRESTRON DB USED FOR TESTING:	v21.00.004.00
DEVICE DB USED FOR TESTING:	v24.05.004.00
SAMPLE PROGRAM:	Unique automation Bathomatic v1.0 PRO2 DEMO.smw
REVISION HISTORY:	v. 1.0