

Partner: SnapAV
Model: Wattbox
Device Type: Surge Protector



GENERAL INFORMATION

SIMPLWINDOWS NAME:	SnapAV Wattbox v1.3
CATEGORY:	Surge Protectors
VERSION:	1.3
SUMMARY:	This module controls a Wattbox surge protector via TCP/IP.
GENERAL NOTES:	This module was designed to control Wattbox devices. This module supports a maximum of 16 outlets.
CRESTRON HARDWARE REQUIRED:	3 series processor is required.
SETUP OF CRESTRON HARDWARE:	TCP/IP on a per-request basis in SIMPL+. IP address of the Wattbox device.
VENDOR FIRMWARE:	WB10.5930
VENDOR SETUP:	None.
CABLE DIAGRAM:	None.

CONTROL:

CONNECT	D Set to high to enable this module.
DEBUG	D Set to high to turn debugging on for toolbox.
POLL NOW	D Set to high to query the device immediately for the latest outlet state, ups state, and power state.
OUTLET_RESET_ALL	D Pulse to reset all outlets.
AUTO_REBOOT_ENABLE	D Pulse to set auto reboot to enabled.
AUTO_REBOOT_DISABLE	D Pulse to set auto reboot to disabled.
OUTLET_ON[n]	D Where n = outlet number. Pulse to turn the outlet on.
OUTLET_OFF[n]	D Where n = outlet number. Pulse to turn the outlet off.
OUTLET_RESET[n]	D Where n = outlet number. Pulse to reset the outlet.
OUTLET_TOGGLE[n]	D Where n = outlet number. Pulse to toggle the outlet.

FEEDBACK:

CONNECTED	D HIGH = Connected LOW = Disconnected
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UPS_BATTERY_HEALTH	D	LOW = Good HIGH = Bad
UPS_POWER_LOST	D	LOW = power on HIGH = power lost
UPS_ALARM_ENABLED	D	LOW = disabled HIGH = enabled
UPS_ALARM_MUTED	D	LOW = Unmuted HIGH = muted
OUTLET_STATES[n]	D	Where n = outlet number. LOW = off HIGH = on
SAFE_VOLTAGE_EVENT	D	LOW = safe HIGH = Unsafe
UPS_BATTERY_CHARGE	A	Percentage battery charge
UPS_BATTERY_RUNTIME	A	Time in minutes left of battery
UPS_BATTERY_LOAD	A	Percentage battery load
CURRENT	A	Overall current usage in amps
POWER	A	Overall power usage in watts
VOLTAGE	A	Overall voltage usage in volts
OUTLET_POWER[o]	A	Power usage in watts for outlet o
OUTLET_CURRENT_RMS[o]	A	Current usage in amps for outlet o
OUTLET_VOLTAGE_RMS[o]	A	Voltage usage in volts for outlet o
FIRMWARE_VERSION	S	Text representing firmware version
HOSTNAME	S	Text representing hostname
SERIAL_NUMBER	S	Text representing serial number
MODEL_NUMBER	S	Text representing model number
OUTLET_NAMES[n]	S	Where n = outlet number. Text representing name

PARAMETER:

device_ip\$	S	IP address of the Wattbox.
Username\$	S	Username of the Wattbox
Password\$	S	Password of the Wattbox.

TESTING:

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OPS USED FOR TESTING: RMC3 1.010.0060

SIMPL WINDOWS USED FOR TESTING: 4.02.65

DEVICE DB USED FOR TESTING: 65.05.003.00

CRES DB USED FOR TESTING: 51.05.007.00

SYMBOL LIBRARY USED FOR TESTING: 944

SAMPLE PROGRAM: SnapAV Wattbox Demo

REVISION HISTORY:

V1.3
Added poll now signal, connected signal for indicating communication state, outlet reset code refactor.

V1.2
Fixed outlet names with commas

V1.1
Added login credentials

V1.0
Original Release