Partner: Planar
Model: PS Series PSxx52
Device Type: LCD Display

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Planar PS Series PSxx52 IP v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module controls IP communication with the Planar PS Series PSxx52 monitors. Applicable models: PS4652, PS5552, PS6552
GENERAL NOTES:	This module is intended to control a single monitor. Video wall functionality is not implemented at this time. The monitor does not respond to any commands or queries (other than power) if turned off. The monitor must be powered on in order for the module to initialize and in order for any commands other than power on to function. In order to ensure the module works correctly, "Input Auto Search" must be set to "Off". The monitor only responds to Backlight commands and queries if a signal is detected on the currently selected input. If the input is set to a selection that does not currently have signal, Backlight commands and queries will not work. It has also been noticed that the monitor will automatically break the IP connection approximately 20 seconds after the power on command is sent. The module will re-establish communication following this event, however, it should be noted that this automatic connection severing will cause the module to uninitialized briefly before re-initializing after power on.
CRESTRON HARDWARE REQUIRED:	Crestron 2-Series* or 3-Series processor. *this module is set up to work with a 2-Series processor but has not been tested with one as of this writing.*
SETUP OF CRESTRON HARDWARE:	TCP/IP: Port: 4660
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A

PARAMETER:	
Monitor_ID	Setting to indicate the Monitor ID that has been set for the device.
Volume_Step_Size	Setting to indicate the single step amount to increment/decrement the volume.
Backlight_Step_Size	Setting to indicate the single step amount to increment/decrement the backlight.

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CRESTRON

Certified Module

Partner: Planar
Model: PS Series PSxx52
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CONTROL:

Reinitialize	D	Pulse to re-establish communication with the monitor. Pulsing this signal is the equivalent of pulsing Disconnect followed by Connect.
Power_On	D	Pulse to turn on the monitor.
Power_Off	D	Pulse to turn off the monitor.
Power_Toggle	D	Pulse to toggle the power status of the monitor.
Volume_Up	D	Pulse to raise the volume of the monitor by 1 step. Hold to raise the volume of the monitor in 1 step increments until released. The volume will be raised by the amount assigned to the parameter "Volume_Step_Size".
Volume_Down	D	Pulse to lower the volume of the monitor by 1 step. Hold to lower the volume of the monitor in 1 step increments until released. The volume will be lowered by the amount assigned to the parameter "Volume_Step_Size".
Volume_Set	A	Set the volume level of the monitor.
Volume_Mute_On	D	Pulse to mute the volume of the monitor.
Volume_Mute_Off	D	Pulse to unmute the volume of the monitor.
Volume_Mute_Toggle	D	Pulse to toggle the volume mute status of the monitor.
Backlight_Up	D	Pulse to raise the backlight of the monitor by 1 step. Hold to raise the backlight of the monitor in 1 step increments until released. The backlight will be raised by the amount assigned to the parameter "Backlight_Step_Size".
Backlight _Down	D	Pulse to lower the backlight of the monitor by 1 step. Hold to lower the backlight of the monitor in 1 step increments until released. The backlight will be lowered by the amount assigned to the parameter "Backlight_Step_Size".
Backlight _Set	A	Set the backlight level of the monitor.

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CONTROL *continued*:

Video_Input_[X]	D	Pulse to switch the current video input on the monitor to [X].
Video_Input_Cycle	D	Pulse to cycle to the next video input of the monitor.
Audio_Input_[X]	D	Pulse to switch the current audio input on the monitor to [X].
Speaker_[X]	D	Pulse to set the monitor Speaker to [X].
Speaker_Cycle	D	Pulse to cycle to the next speaker of the monitor.
Poll_Enable	D	Latch high to enable polling the monitor for the status of all relevant attributes. Unlatch to turn off polling. *Note: the monitor does not provide unsolicited feedback. Enabling polling is highly recommended for accurate and up-to-date feedback.*
{{TCP/IP_Client_>>_Connect-F}}	D	Digital signal to be routed from the TCP/IP client symbols Connect-F signal.
{{TCP/IP_Client_>>_status}}	A	Analog signal to be routed from the TCP/IP client symbols status signal.
{{TCP/IP_Client_>>_RX$}}	S	Serial signal to be routed from the TCP/IP client symbols RX$ signal.

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FEEDBACK:

Is_Communicating	D	High to indicate that communication has been established with the device. Once communication has been established, the module will attempt to initialize automatically once the monitor is powered on.
Is_Initialized	D	High to indicate that the module's internal state variables are now synced with the device's current state. *Note: Outgoing commands (other than power) will not be sent to the monitor until the module is initialized. However, heartbeat commands will continue to be sent.*
Power_Is_On	D	High to indicate the monitor is currently on.
Volume_Level	A	Value indicating the current volume level of the monitor.
Volume_Is_Muted	D	High to indicate the volume of the monitor is currently muted.
Backlight_Level	A	Value indicating the current backlight level of the monitor.
Video_Input_Is_[X]	D	High to indicate the current video input of the monitor is set to [X].
Audio_Input_Is_[X]	D	High to indicate the current audio input of the monitor is set to [X].
Speaker_Is_[X]	D	High to indicate the current Speaker of the monitor is set to [X].
Polling_Is_Enabled	D	High to indicate the module is currently set to poll for device status.
Connect-F	D	High to indicate the TCP/IP client is connected. This signal is effectively a mirror of the Connect-F signal on the TCP/IP client. It is recommended that this signal be commented out in your program.
status	A	Value indicating the TCP/IP client connection status. This signal is effectively a mirror of the status signal on the TCP/IP client. It is recommended that this signal be commented out in your program.
{{Connect_>>_TCP/IP_Client}}	D	High to indicate the module is ready to connect to the device. This signal should be routed to the TCP/IP Client symbols Connect signal.
{{TX$_>>_TCP/IP_Client}}	S	Serial signal to be routed to the TCP/IP client symbols TX$ signal.

TESTING:

OPS USED FOR TESTING:	RMC3: 1.011.0023
SIMPL WINDOWS USED FOR TESTING:	4.03.14.01
CRES DB USED FOR TESTING:	52.05.013.00
DEVICE DATABASE:	67.00.001.00
SYMBOL LIBRARY USED FOR TESTING:	956
SAMPLE PROGRAM:	Planar PS Series PSxx52 Demo IP RMC3
REVISION HISTORY:	v1.0 – Initial Release