Partner: Planar
Model: PS-Series
(PS7050_PS7050T_PS8250_PS8250T)
Device Type: LCD Display

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Planar PS-Series (PS7050_PS7050T_PS8250_PS8250T) RS232 v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module controls RS232 communication with the Planar PS-Series (PS7050_PS7050T_PS8250_PS8250T) monitors.
GENERAL NOTES:	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. Once the monitor is turned on, the module will attempt to initialize. This process may take up to 60 seconds. Once powered on and fully initialized, the full control functions of the module will be available for use. It has also been noticed during module development that it takes an average of 15 seconds for the monitor to report that it is on after sending the "On" command and 5 seconds for the monitor to report that it is off after sending the "Off" command.
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:	RS232: Baud: 38400 Parity: None Data Bits: 8 Stop Bits: 1 Flow Control: None
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

www.crestron.com
Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

Partner: Planar
Model: PS-Series
(PS7050_PS7050T_PS8250_PS8250T)
Device Type: LCD Display

PARAMETER:	
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.
USB_Slide_Time_Step_Size	Setting to indicate the single step amount to increment/decrement the USB Slide Time.

www.crestron.com

Partner: Planar
Model: PS-Series
(PS7050_PS7050T_PS8250_PS8250T)
Device Type: LCD Display

Certified Module

CERTIFIED CRESTRON Integrated Partner

CONTROL:

Connect	D	Pulse to establish communication with the monitor.
Disconnect	D	Pulse to break communication with the monitor.
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.
Input_[X]	D	Pulse to switch the current input on the monitor to [X].
Input_Cycle	D	Pulse to cycle to the next input 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.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

www.crestron.com

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. Specifications subject to change without notice.

Partner: Planar
Model: PS-Series
(PS7050_PS7050T_PS8250_PS8250T)
Device Type: LCD Display

CONTROL *continued*:

USB_Slide_Time_Up	D	Pulse to raise the USB Slide Time of the monitor by 1 step. Hold to raise the USB Slide Time of the monitor in 1 step increments until released. The USB Slide Time will be raised by the amount assigned to the parameter "USB_Slide_Time_Step_Size".
USB_Slide_Time_Down	D	Pulse to lower the USB Slide Time of the monitor by 1 step. Hold to lower the USB Slide Time of the monitor in 1 step increments until released. The USB Slide Time will be lowered by the amount assigned to the parameter "USB_Slide_Time_Step_Size".
USB_Slide_Time_Set	A	Set the USB Slide Time 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.*
From_Device	S	Serial signal to be routed from a 2-way COM port.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

www.crestron.com

CRESTRON

Partner: Planar
Model: PS-Series
(PS7050_PS7050T_PS8250_PS8250T)
Device Type: LCD Display

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.
Input_Is_[X]	D	High to indicate the current input of the monitor is set to [X].
Backlight_Level	A	Value indicating the current backlight level of the monitor.
USB_Slide_Time	A	Value indicating the current USB Slide Time of the monitor.
Polling_Is_Enabled	D	High to indicate the module is currently set to poll for device status.
To_Device	S	Serial signal to be routed to a 2-way COM port.

Partner: Planar
Model: PS-Series
(PS7050_PS7050T_PS8250_PS8250T)
Device Type: LCD Display

CERTIFIED
CRESTRON
Integrated Partner

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 (PS7050_PS7050T_PS8250_PS8250T) Demo RS232 RMC3
REVISION HISTORY:	v1.0 – Initial Release