CRESTRON

Certified Module

Partner: Promethean
Model: PRM-20
Device Type: Projector

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GENERAL INFORMATION

SIMPLWINDOWS NAME:	Promethean PRM-20 IP v1.0
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module controls the Promethean PRM-20 video projector via TCP/IP.
GENERAL NOTES:	This module provides control and true feedback for the Promethean PRM-20 video projector via TCP/IP. It relies on feedback from the projector, so 2-way communication is required.
CRESTRON HARDWARE REQUIRED:	C2ENET-1/2
SETUP OF CRESTRON HARDWARE:	TCP/IP Port: 10000d
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	Ethernet

CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the power on and off.
Input_<Computer_1/Computer_2/Video>	D	Pulse to select the desired input.
Input_Computer_1_*	D	Pulse to select the desired signal type for input computer 1.
Input_Video_*	D	Pulse to select the desired signal type for input video.
Picture_Mute_<On/Off/Toggle>	D	Pulse to turn the picture mute on and off.
Aspect_Ratio_*	D	Pulse to select the desired aspect ratio.
Image_*	D	Pulse to select the desired image setting.
Freeze_<On/Off/Toggle>	D	Pulse to turn the freeze function on and off.
Volume_<Up/Down>	D	Press and hold to adjust the volume.
Volume_Mute_<On/Off/Toggle>	D	Pulse to turn the volume mute on and off.

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Digital_Zoom_<In/Out>	D	Press and hold to adjust the digital zoom.
Keystone_<Up/Down>	D	Press and hold to adjust the keystone setting.
Menu_<On/Off>	D	Pulse to turn the on-screen menu on and off.
Pointer_<Up/Down/Left/Right>	D	Pulse to move through the on-screen menu.
Enter	D	Pulse to select the highlighted item.
Auto_PC_Adjust	D	Pulse to start the auto pc function.
Poll_Enable	D	Hold high to enable polling.
{{TCP/IP_Client_>>_Connect-F}}	D	Signal to be routed from the Connect-F output on the TCP/IP client.
{{TCP/IP_Client_>>_status}}	A	Analog signal to be routed from the status output on the TCP/IP client.
{{TCP/IP_Client_>>_RX$}}	S	Serial signal to be routed from the RX$ output on the TCP/IP client.

FEEDBACK:

Power_Is_<On/Off>	D	High to indicate the current power state.
Projector_Is_<Warming_Up/Cooling_Down>	D	High to indicate that the projector is warming up or cooling down.
Error_Power_Failure	D	High to indicate that there was a power failure error.
Error_Cooling_Down_Abnormal_Temperature	D	High to indicate that there was a temperature warning and the projector is cooling down.
Error_Power_Saving_Cooling_Down	D	High to indicate that the projector is cooling down due to power save.
Error_Power_Saving	D	High to indicate that the projector has powered off due to power saving.
Error_Cooling_Down_Lamp_Failure	D	High to indicate that the projector is cooling down after a power off due to a lamp failure.
Input_Is_*	D	High to indicate the currently selected input.
Input_Computer_1_Is_*	D	High to indicate the current signal type setting for input computer 1.
Input_Computer_2_Is_<Analog_RGB/Monitor_Out>	D	High to indicate the current setting for the computer 2 jack.
Input_Video_Is_*	D	High to indicate the current signal type setting for input video.

Picture_Mute_Is_<On/Off>	D	High to indicate the current picture mute state.
Aspect_Ratio_Is_*	D	High to indicate the currently selected aspect ratio.
Image_Is_*	D	High to indicate the currently selected image mode.
Freeze_Is_<On/Off>	D	High to indicate the current freeze function state.
Volume_Level_Gauge	A	Analog signal indicating the current volume level.
Volume_Mute_Is_<On/Off>	D	High to indicate the current volume mute state.
Lamp_Hours_Text	S	Serial signal indicating the current lamp hours.
{{Connect_>>_TCP/IP_Client}}	D	Digital signal to be routed to the Connect input on the TCP/IP client.
{{TX$_>>_TCP/IP_Client}}	S	Serial signal to be routed to the TX$ input on the TCP/IP client.

PARAMETERS:

Network PIN	P	Enter the Network PIN number.
Port	P	Enter the TCP/IP port to be used to control the projector. Default is 10000d.

TESTING:

OPS USED FOR TESTING:	4.001.1012
SIMPL WINDOWS USED FOR TESTING:	2.12.44
CRESTRON DB USED FOR TESTING:	23.05.010.01
DEVICE DB USED FOR TESTING:	31.00.005.00
SAMPLE PROGRAM:	Promethean PRM-20 IP v1.0
REVISION HISTORY:	V. 1.0 – Original release.