

Partner: Polatis
Model: Optical Switchers
Device Type: Switchers



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Polatis Optical Switchers TCP-IP v1.0
CATEGORY:	Switchers
VERSION:	1.0
SUMMARY:	This module will control most Polatis Optical Switchers.
GENERAL NOTES:	<p>This module will control most Polatis Optical Switchers. The Polatis Optical switchers have ports that are numbered in consecutive order starting with port 1 as the first input. The first output port is numbered consecutively after the last input. So if the switcher is an 8x8, ports 1 to 8 are inputs 1 to 8 and ports 9 to 16 are outputs 1 to 8. The module has inputs and outputs on it that are number by port number. This allows the module to be used for an 8x8 switcher or a 32x32 switcher. The status will be polled for with each switch command that is sent.</p> <p>To make a switch:</p> <ol style="list-style-type: none">1) Select an input port.2) Select an output port.3) Pulse the Take input. <p>To clear a route:</p> <ol style="list-style-type: none">1) Select the input port.2) Select the output port.3) Pulse the Clear input. <p>THIS MODULE IS FOR 2-SERIES PROCESSORS ONLY. THIS MODULE IS SYSTEM BUILDER COMPATABLE.</p>
CRESTRON HARDWARE REQUIRED:	C2ENET-1, C2ENET-2
SETUP OF CRESTRON HARDWARE:	TCP/IP Port: Tested at port 333
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	None
CABLE DIAGRAM:	Ethernet

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**CONTROL:**

Port_*	D	Pulse to select the ports to switch. Ports are numbered consecutively. For an 8x8 switcher, ports 1 to 8 are inputs 1 to 8 and ports 9 to 16 are outputs 1 to 8.
Take	D	Pulse to send a switch command.
Clear	D	Pulse to clear the route.
TCP/IP>>Connect-F	D	Digital signal from the Connect-F output of the TCP/IP Client symbol.
TCP/IP>>Status	A	Analog signal from the Status output of the TCP/IP Client symbol.
From_Device	S	Serial signal to be routed from the RX\$ output of the TCP/IP Client symbol.

PARAMETER:

Number of Inputs	D	Enter the number of input ports on the switcher. The range is 1 to 32. Default is 16.
Number of Outputs	D	Enter the number of output ports on the switcher. The range is 1 to 32. Default is 16.
Port Number	D	This is the TCP/IP port number to connect to. This is not used inside the module.

FEEDBACK:

Port_*_is_Selected	D	High to indicate the two ports that are selected for the take or clear command.
Port_*_Analog_Status	A	Analog value indicating the currently connected port.
Connect>>TCP/IP	D	Digital signal to be connected to the Connect input on the TCP/IP Client symbol.
To_Device	S	Serial signal to be routed to the TX\$ input on the TCP/IP Client symbol.

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**TESTING:**

OPS USED FOR TESTING:	4.000.0226
SIMPL WINDOWS USED FOR TESTING:	2.10.25
CRES DB USED FOR TESTING:	19.06.010
SYMBOL LIBRARY USED FOR TESTING:	557
SAMPLE PROGRAM:	Polatis Optical Switchers TCP-IP Demo
REVISION HISTORY:	V. 1.0