

SIMPLWINDOWS NAME: CM Automation PM-64 Front Panel Switching

CATEGORY: Switcher

VERSION: 1.0

SUMMARY: Allows any input to be routed to any output using the same method as the switcher front panel

GENERAL NOTES: This module will control a CM Automation PM-64. Before any controls will function, you must unlock the switcher using the SOFT-LOCK-OFF input on the module. You could also unlock it from the front panel. The soft lock will remain off until it is turned back on at the switcher, or until the switcher is power cycled. The switcher boots up with soft lock on.

Multiple switchers can be chained together, in which case each switcher would be assigned a unique channel number from 0 to F. You must specify which switcher you are talking to using the CHANNEL(0-F) input. If only one switcher is being used, the channel number is most likely 0. It should be entered as a single digit number with no suffix.

This module allows switching to be performed in the same manner as is done on the front panel of the switcher. So, to perform a switch, first choose the source (using the SOURCE-*) inputs. The corresponding SOURCE-* -FB output will go high. Any destinations currently connected to that source will be reflected at the DESTINATION-* -FB outputs. You can then toggle the state of any of the destinations (route or unroute them from the selected source) using the DESTINATION-* inputs.

CRESTRON HARDWARE REQUIRED: CNXCOM, ST-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 38400
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: None

VENDOR SETUP: None

CABLE NUMBER: CNSP-123

CONTROL:

SOURCE-*	D	Selects which source is to be routed. Also causes the switcher to be polled for which destinations are connected to that source
DESTINATION-*	D	Toggles the state of the destination (routed or not routed) with respect to the source selected.
SOFT-LOCK-OFF	D	Pulse to turn off the "soft lock" on the switcher. Switching may not be possible if soft lock is on
CM-AUTOMATION-RX\$	S	Serial signal to be routed from a 2-way RS232 port
CHANNEL(0-F)	P	Specifies which switcher in a chain is being controlled. If only one switcher is being used, this should probably be defined as 0. The valid range is 0-F

FEEDBACK:

SOURCE- *-FB	D	Indicates which source was selected
DESTINATION- *-FB	D	Indicates which destinations are routed to the selected source
CM-AUTOMATION-TX\$	S	Serial signal to be routed to a 2-way RS232 port

OPS USED FOR TESTING:	5.09.12
COMPILER USED FOR TESTING:	SimplWindows Version 1.30.01
SAMPLE PROGRAM:	CMA-TST
REVISION HISTORY:	None