

LAN/RS232 INTERFACE

This device can be used to control any RS232 Device from a 10 Base T Local Area Network or can be used as a LAN controller for any CYTEC Switching System.

LAN to RS232 CONVERTER

MODEL LAN/RS232

Data can be transferred between the 10 base T LAN and any RS232 port at baud rates up to 115.2k.

Data Transfer is by TCP/IP and the interface is fully configurable via the RS232 Port or from the LAN to a preset IP address.

The unit is only 3.5" x 2.2" x 1.0" with an RJ45 LAN Input Connector and can be supplied with a DB9 pin, DB15 pin or DB25 pin RS232 Output Connector.

It can be used as an external add-on feature to any existing CYTEC Switching System which has an RS232 Control.

Price including power supplies and cables: \$500.00



LAN to
RS232

SWITCHING SYSTEM CONTROLLER

MODEL IF-6 LAN INTERFACE

This interface can be controlled with any CYTEC Switching System allowing the system to be controlled directly from the Local Area Network. The interface includes the Model LAN/RS232 and the standard CYTEC RS232 Controller built into the Switching System Mainframes. Control from the Network is via the RJ45 connector mounted on the rear panel. The systems can also be supplied with both LAN and RS232 control via connectors on the back panel.

Switch commands from the LAN are in TCP/IP and are transferred to the RS232 Interface at baud rates up to 19.2k. This enables the Switching System to be controlled remotely by any Network user. Switches can be selected, latched or unlatched and the relay status can be returned to the user.

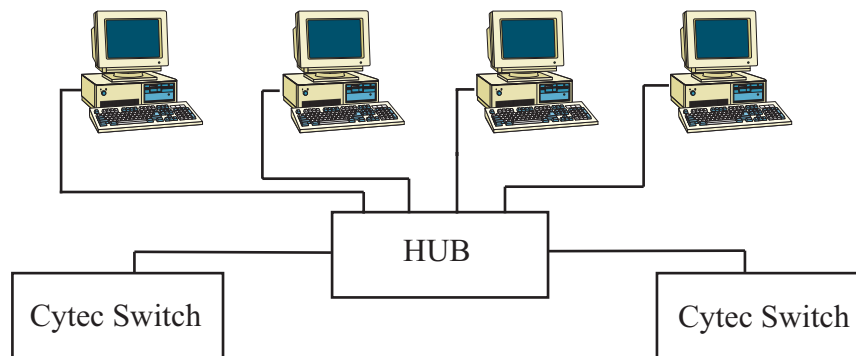
Any user can interrogate the Switching Systems to determine which switches are closed, or can send a test program to confirm that the system is fully operable.

Drivers can be supplied for LabWindows® and LabView® or a demo program showing a Virtual Manual Control of the Switching System with Status Feedback.

®Registered trademarks of National Instruments, Inc.

Typical applications are:

- * **Control of a large system by several operators.**
- * **Control of several systems by one operator.**
- * **Process Control. * Automatic Test.**



LAN CONTROLLED SWITCHING SYSTEMS

Both the LAN Interface and the RS232 Module must have the same baud rate and are programmable from 110 to 19,200 baud

The basic command strings consist of one or more ASCII characters separated by either a space or comma and terminated by an end message.

The Switching System Commands are:

L - Latch -	A specified Module and Switch in a Matrix.
U - Unlatch -	A specified Module and Switch in a Matrix.
X - Multiplex -	Latches a specified Switch and Clears all others.
C - Clear -	Unlatches every switch in the Matrix.
S - Status -	The Status of the selected Switches are returned to the Controller.
F - Front Panel -	Allows enabling & disabling of front panel controls.
T - Test -	Performs a diagnostic test by sequencing through all the switch points.
P - Program -	Allows the operator to set up Matrix variables such as size and configuration and stores them in non-volatile memory.

COMMAND STRUCTURE

COMMAND	FUNCTION	COMMENTS
L n1,n2	Latch	n1=Module, n2=Switch
U n1,n2	Unlatch	
X n1,n2	Multiplex	
C	Clear Matrix	
S	Matrix Status	
S n1,n2	Relay Status	
F n1,n2	Front Panel	n1=0 is Disable, n1= is Enable, n2=Access
T n1,n2	Diagnostic test	n1=Delay, n2=Access
P n1,n2, n3	Program setup	n1=Parameter, n2=Value, n3=Access

RS232 SPECIFIC COMMANDS

COMMAND	FUNCTION	COMMENTS
B n1,n2	Baud Rate	n1=Rate, n2=Access
A n1,n 2	Answerback	n1=0 is OFF, n1=1 is ON, n2=Access
E n1,n2	Echo	n1=0 is OFF, n1=1 is ON, n2=Access
V n1,n2	Verbose	n1=0 is OFF, n1=1 is ON, n2=Access
P n1,n2	Program setup	n1=0, n2=Access
H	Help	

E - Echo -	Echos all received characters back to the source.
A - Answerback -	Enables the transmission back to the computer of a single character followed by an EOL upon completion of a Command string.
V - Verbose -	Enables the matrix to return text strings in response to Commands, including error state ments.
H - Help -	This is a summary of all the Commands and is only accessible in the Verbose mode.
P - Program -	Gives test prompts in setting up the Matrix variables.

FOR TECHNICAL ASSISTANCE CALL 1-800-346-3117