

SIMPLWINDOWS NAME: Clipsal Communication Processor

CATEGORY: Lighting

VERSION: 1.0

SUMMARY: Processes all strings sent to/received from a Clipsal lighting system

GENERAL NOTES: This module works in conjunction with the CLIPDIM, CLIPREL, CLIPSCE, CLIPSTA modules. It processes commands generated by those modules, and formats them as required by the Clipsal system. It then sends the commands to the Clipsal system, waiting for an acknowledgment to each command before sending the next command.

This module also processes strings received from the Clipsal system, and forwards them onto the above-mentioned modules in the format which they require.

In addition, there is a SETUP-CLIPSAL input. This input must be pulsed when the system starts up. It sends a command to the Clipsal which will enable the Clipsal system to send out status messages to the Crestron system whenever a key is pressed on a Clipsal keypad.

Note that these modules require the use of Simpl+ modules (which are embedded inside of the modules). Therefore these modules can only be used with generation CNX systems.

CRESTRON HARDWARE REQUIRED: CNXCOM, ST-COM

SETUP OF CRESTRON HARDWARE: The port should be set as follows:

Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: 3.x3

VENDOR SETUP: A Clipsal PC Interface module must be used with firmware version 3.x3 or later installed. Also, the SETUP-CLIPSAL input on the CLIPPRO module must be pulsed before feedback will be processed correctly.

CABLE DIAGRAM: CNSP-121

CONTROL:

FROM-PROGRAM\$	S	Serial signal to be routed from CLIPDIM, CLIPREL, CLIPSCE, and CLIPSTA modules
FROM-CLIPSAL\$	S	Serial signal to be routed from a 2 way RS232 port
SETUP-CLIPSAL	D	Pulse before using any other functions to enable feedback updates from the Clipsal system

FEEDBACK:

TO-CLIPSAL\$	S	Serial signal to be routed to a 2-way RS232 port
TO-PROGRAM\$	S	Serial signal to be routed to the CLIPDIM, CLIPREL and CLIPSTA modules

OPS USED FOR TESTING: 5.09.07x
COMPILER USED FOR TESTING: SimplWindows Version 1.30.01
SAMPLE PROGRAM: CLIPSTE
REVISION HISTORY: None