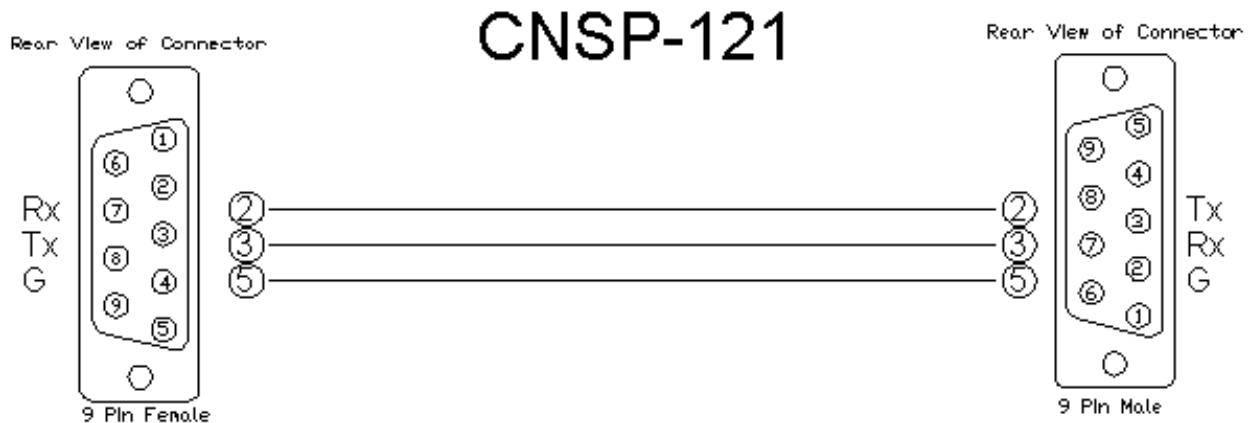


Partner: Trak-Kit
Model: Trak-Kit
Device Type: LCD Ceiling Mount


GENERAL INFORMATION

SIMPLWINDOWS NAME:	Trak-Kit v1.3
CATEGORY:	Miscellaneous
VERSION:	1.3
SUMMARY:	Control horizontal and rotational motion of a display mount.
GENERAL NOTES:	This module will control the Trak-Kit unit. The Trak-Kit consists of a flat-panel display mount that runs along a track that contains two motors. One motor controls horizontal movement along the track, while the second motor control the rotation of the mount itself. Two com ports are required for control of this unit, one per motor.
CRESTRON HARDWARE REQUIRED:	X-Series Processor, CNX-COM2, ST-COM, 2-Series Processor, C2COM3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	None
VENDOR SETUP:	Trak-Kit needs to be loaded with the proper project file (provided by Trak-Kit) in order to work properly.
CABLE DIAGRAM:	CNSP-121



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**CONTROL:**

Main_Forward_Start/Stop	D	Pulse to start or stop forward horizontal movement.
Main_Reverse_Start/Stop	D	Pulse to start or stop reverse horizontal movement.
Rotate_Forward_Start/Stop	D	Pulse to start or stop forward rotation movement.
Rotate_Reverse_Start/Stop	D	Pulse to start or stop reverse rotation movement.
Home_Preset_Recall	D	Pulse to recall home setting.
Home_Preset_Save	D	Pulse to save home setting.
Position_*	D	Pulse to recall positions 1 through 6. Press and hold to store current positions 1 through 6.
Auto_Pilot	D	Pulse to trigger Auto Pilot function.
Increase_Speed	D	Pulse to increase speed.
Decrease_Speed	D	Pulse to decrease speed.
Emergency_Stop	D	Pulse to stop horizontal and rotational movement.
Initialize	D	Pulse to enable RS-232 control of the Trak-Kit. This must always be sent after the Trak-Kit powers up.

FEEDBACK:

Position_*_Is_Recalled	D	High to indicate what position was the last recalled or stored.
To_Primary_Motor	S	Serial commands to be sent to the horizontal motor of the Trak-Kit.
To_Secondary_Motor	S	Serial commands to be sent to the rotational motor of the Trak-Kit.

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**TESTING:**

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	v2.11.27
DEVICE DB USED FOR TESTING:	v26.00.005.00
CRES DB USED FOR TESTING:	v21.02.016.00
SYMBOL LIBRARY USED FOR TESTING:	v648
SAMPLE PROGRAM:	Trak-Kit v1.3 Demo PRO2.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Ability to save positions added – 12/7/07 v1.2 – Added 3 more positions. v1.3 – Added Auto Pilot, Speed Control Functions, renamed some existing signal names.