

SRCC-1-2 SERVOREELER CONTROL BOARD

SERVOREELER SYSTEMS

XEDIT Corporation

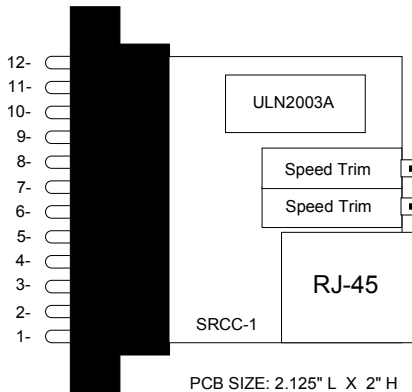
218-31 Ninety Seventh Avenue

Queens Village, New York 11429

Web site: www.servoreelers.com

e-mail: srsystems@servoreelers.com

Tel: (718) 464-9400 Fax: 464-9435



The SRCC-1 Control board is employed by all SRC controllers. It can also be used to assemble controllers for systems employing virtually any number of microphone Servoreelers. The following is a description of all of the functions provided by this board.

MSW-1 & 2: The front plate of the MSW-1 and the MSW-2 has an Incremental-Auto selector switch and an Up and Down pushbutton station. The LED's indicate actual Servoreeler mode and operation. NOTE: An external 24 Vdc power supply is required with the MSW controllers. Allow 600 to 700 ma for Servoreeler models SRL-8, SRL-20, SRL-40 and 1 amp for an SRL-90 Servoreeler.

- PIN-OUT:**
- 1- +24Vdc or encoder: See note 2 below.
 - 2- Down sense bus
 - 3- Down control input (master bus)
 - 4- Down control input
 - 5- Down LED indicator driver output
 - 6- +24Vdc
 - 7- Common
 - 8- Up LED indicator driver output
 - 9- Up control input
 - 10- Up control input (master bus)
 - 11- Up sense bus
 - 12- Hold enable: Provides automatic, one-touch deploy and retract.

APPLICATION NOTES:

- 1- When assembled in multiples, power as well as other functions may be bussed across the PCB edge connector to provide the required system configuration. For example, all of the Up control (master pin 10), may be bussed to create a Master Up control bus so that one signal will activate all of the Servoreelers in the system. Similarly, this would also be done on the Down control (master pin 3) to achieve a Master Down control bus.
- 2- Removing a jumper to 24Vdc, can free up the conductor to pin 1 so that it may be employed as a conductor for an encoder signal.
- 3- Up and Down control inputs (pins 9 & 4) are intended for individual activation.
- 4- Up and Down control master bus (pins 10 & 3) are isolated and may be bussed.
- 5- Sense bus outputs are isolated and may be bussed to provide system status indication functions. The sense outputs are low with Servoreelers at rest and rise to a positive level during any Servoreeler motion.
- 6- The LED indicator driver outputs provide a switched collector to common.
- 7- The speed trimmers on the PCB allow remote adjustment for Up and Down speed.
- 8- 24Vdc system power is required at pins 6 (+24V) and 7 (com.)
- 9- It is recommended that a linear regulated power supply be employed allowing 700ma to 1A per reeler.

For any assistance, please call us at: 800: 431-8900