

# SRL-8

## INSTALLATION and OPERATION

# SERVOREELER SYSTEMS

**XEDIT Corporation**

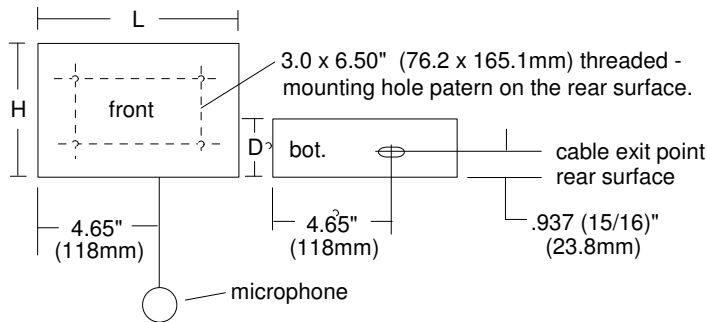
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Servoreeler housing dimensions: H = 5.50" L = 7.25" D = 2.062 (140mm x 184mm x 52mm)

### RJ-45 Pin Out

- 1- Down Sense
- 2- Down Control
- 3- Common
- 4- +24 VDC
- 5- +24 VDC
- 6- Common
- 7- Up Control
- 8- Up Sense

**TEST RUNNING:** We urge you to test run these Servoreelers prior to installation. Employing the short test cable that is supplied, connect each Servoreeler directly to an output on the SRC controller. Use the master test station on the front panel to activate functions; the DB multi-pin connector must be un-plugged to enable the front panel station to operate. The reeler is designed for operation in a vertical position; when test running, hold the SRL-8 in a vertical orientation with the cable exit point facing down. An internal spill sensor is employed to stop the reeler if it is operated with its cable impeded from down feeding freely. This interlock is designed to prevent internal cable accumulation resulting in a possible jamming of the mechanism. Additional care should be observed if the unit is operated horizontally. **Bear in mind that this interlock is a back-up system, it is prudent to avoid conditions that would overly rely on its intervention.**

**INSTALLING:** The SRL-8 is provided with a 3.0" x 6.5" (76.2 x 165.1mm) mounting hole pattern on its rear surface. These holes are threaded to accept 8-32 machine screws. The frame of the reeler is machined aluminum plate, some care is advised to avoid stripping these holes. Prior to installing try the machine screws by hand to assure a proper fit. Screw length should be selected so that no more than a nominal one half inch (.50") extends into the rear plate. Two or more of these mounting holes must be utilized for mounting. **CAUTION** Professional care and judgement must be exercised when mounting equipment overhead. Mounting screws must engage a permanent, solid structural member or a metal bracket that is in turn securely attached to such a structure. Should mounting against a wood beam or surface be required, sheet rock or wood screws may be employed from the inside, through the threaded holes and into the structure; in this case all four holes must be used. If this surface is irregular, washers should be employed to raise the center of the reeler back plate over these protrusions. **Please note that although usually installed above a ceiling, the contractor and the purchaser must assure that these devices do not pose a hazard to others, both during and after installation.**

**OPERATION:** Servoreelers are operated by a remotely located controller. SRC controllers provide linear regulated 24vdc system power. Operation is initiated by either pushbutton control or through interface with an external computer control system like AMX or Crestron. IR sensors are employed to provide empty and full limits. An adjustable operating stop is also provided. This adjustable stop operates from the deploy mode. After this preset stop is reached, re-start with a sustained down command to reach a lower "service level". Automatic or incremental operation is selectable. The automatic mode provides locked-in operation that is initiated by a single "Deploy" or "Retract" momentary signal. The incremental mode facilitates fine positioning by allowing the Servoreeler to respond to individual, incremental, commands. Test running as described below, should always be performed in the incremental mode.

**SETTING OPERATING STOP POINT:** The IR sensor that controls the length of cable deployment is mounted on an adjustable arm. To access this adjustment; loosen the four cover screws about two turns and slip the cover up from the body of the Reeler. To the lower right of the cable storage reel, you will see a wedge shaped bracket with a curved adjustment slot and locking thumbscrew. The Reeler is shipped from our factory set to maximum deployment. To reset, loosen the locking screw just enough to enable the bracket to be moved; utilizing the screw as a pointer, push on the bracket utilizing firm finger pressure to re-locate the sensor to a new position. Activate the down mode to test the new stop point; repeat until desired length of deployment is achieved. Gently tighten the lock screw to retain the setting.

**CEILING BEZEL OPERATION:** A switched ceiling bezel assembly (BZ-1) can be employed with the SRL-8. When the BZ-1 is used, a white delrin slide assembly containing an activating magnet will be installed on the cable above the microphone. This assembly along with a dust cap simply slip into the top of the installed bezel. Please refer to the BZ-1 installation sheet for complete instructions. **NOTES:** (1) When installed with a bezel, take care not to set the retraction speed at the controller at a rate that is so rapid that it results in a bypassing the bezel limit switch. (2) If possible, install the SRL-8 with the cable exit point at least eight inches above the top of the ceiling tile. This is to assure that the bezel switch activates before the internal up limit switch. If overhead clearance does not permit this spacing and the microphone stops before fully docking into the bezel, you can shorten the exposed cable lead length. With the cover removed, locate the multi-turn trimmer under the right side of the printed circuit control board. Using a long thin screwdriver or preferably if available, an insulated trimmer adjustment tool; turn counter-clockwise to shorten the cable lead; clockwise to lengthen.

Thank you for selecting the SRL-8 Servoreeler. Should you require any assistance in the US, please call our toll free line for support at: (800) 431-8900 For assistance from outside of the US, please use: 718 464-9400 fax: 718 464-9435

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## Physical Layout

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