

## SRL-20 Servoreeler INSTALLATION and OPERATION

## SERVOREELER SYSTEMS

**XEDIT Corporation**

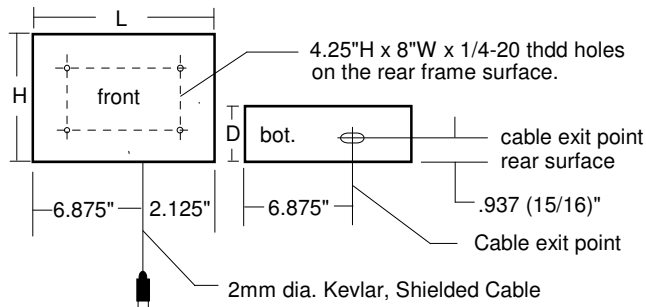
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Dimensions: H = 7.25" L = 9.125" D = 2.05" 184mm x 231.8mm x 52mm

### 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. The reeler is designed for operation in a vertical position; when test running, hold the SRL-20 in a vertical orientation with the cable exit point facing down. A minimum payload weight of approximately one (1) ounce is required for proper down feeding of the cable. A standard XLR cable connector provides this minimum ballast. An internal spill sensor is employed to stop the reeler if it is operated with too light a payload or with its cable impeded from down feeding freely; This interlock is designed to prevent internal cable spill resulting in jamming the mechanism. This safety interlock may not offer adequate protection if the unit is operated horizontally. **Please note that this interlock is a back-up system, it is prudent to avoid conditions that would overly rely on its intervention.**

**MOUNTING:** The SRL-20 is provided with a 4.25" x 8" mounting hole pattern on its rear surface. These holes are threaded to accept 1/4-20 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 (.5 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 into the structure. (to remove the cover, loosen the four cover screws about two turns and slip the cover up from the body of the reeler.) In this case all four holes must be used. Install washers so that the center of the reeler frame is elevated clear of any irregular or high spots.

**Please note, the installer and the purchaser must assure that these devices do not pose a hazard to others, both during and after installation. Architectural or engineering guidance is highly recommended to help assure a safe installation, consistent with the particular physical requirements of your project.**

**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 module and track. 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 middle right of the cable storage reel, you will see an aluminum track with a guide slot in the middle. An adjustable module is set into this slot with a thumbscrew. The Reeler is shipped from our factory set to maximum deployment. To reset, loosen the locking thumb screw just enough to enable the module to slide; utilizing the left edge as a pointer, push on the bracket utilizing firm finger pressure to re-locate the sensor to a new position. Retract above this point then re-activate the down mode to test the new stop point; repeat until desired length is achieved. Final positioning may require very slight movement of this module. Gently tighten the thumbscrew to retain the setting. Excessive force is not required and should not be used when tightening. This pre-set stop position will take place from the down mode. Unless configured as a final stop, this position may be bypassed to reach a lower service position by applying another sustained down command signal. **CAUTION:** Maximum deployment of this Servoreeler is about 25 feet; verify that this reach does not exceed the physical height limits of your facility and permit the microphone to collide with a surface.

**OPERATIONAL CAUTION:** When handling the cable after installation, DO NOT pull on the cable exerting a force greater than the normal payload weight. Never exceed 10Lbs (4.5kg) of pull on the end of the cable. Non-linear or excessive pull force of the cable will distort the concentricity of the cable pack on the storage reel. This will adversely affect the operation of the IR sensors. Should this occur, cable pack concentricity, can be restored by fully deploying and then retracting the microphone cable with its normal payload.

Thank you for selecting the SRL-20 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