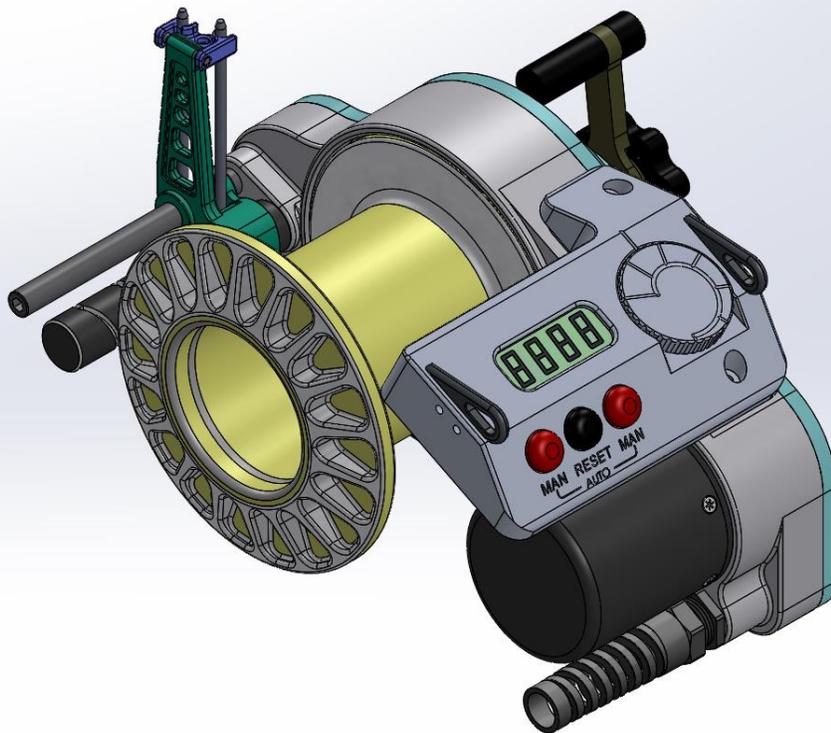


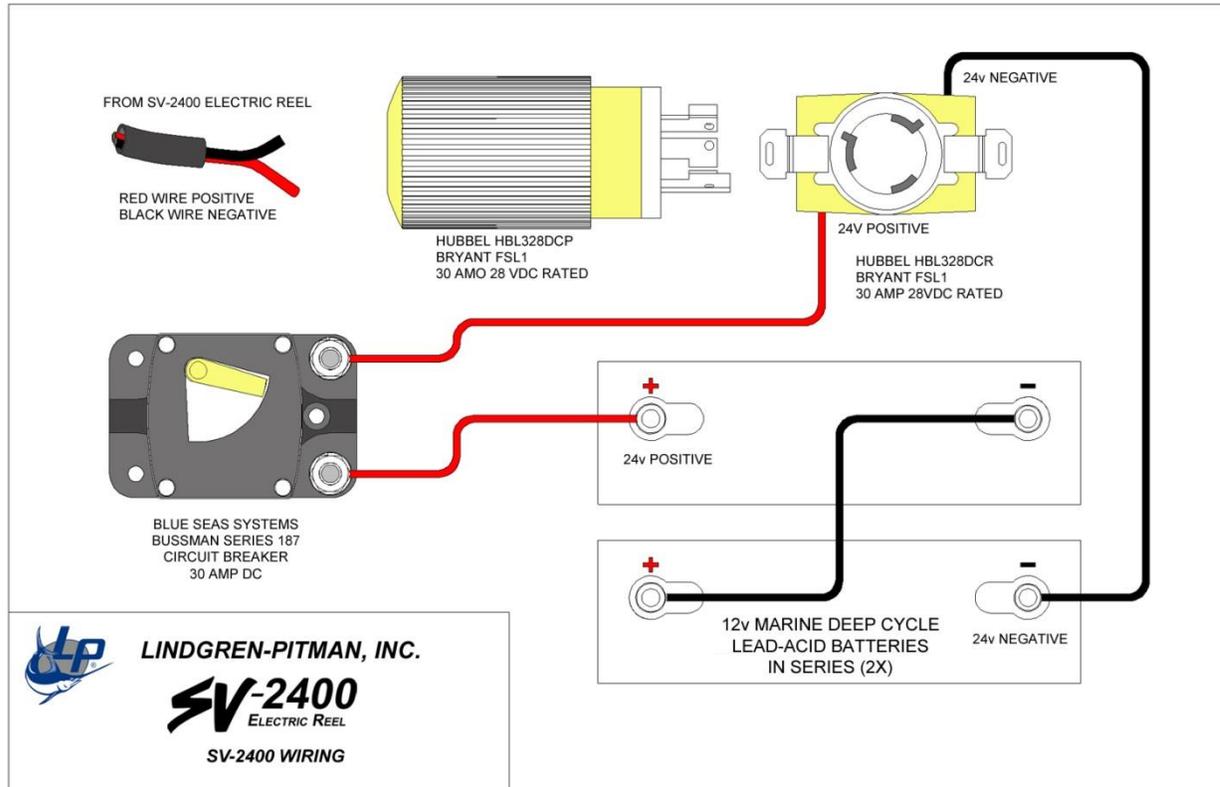


**Lindgren-Pitman LP SV-2400  
24-Volt Electric Dredge/Fishing Reel  
Instruction and Maintenance**



Thank you for purchasing the finest electric reel available. Please read this instruction manual in its entirety before operating the reel. The L/P SV-2400 is an investment that if taken care of, should provide many years of fishing.

### Typical 24-Volt Setup



Power Requirement and Wiring: 24-volts DC Max 30Amps

Plug – Hubbell #HBL328DCP      Receptacle – Hubbell #328DCR

Both Plug and Receptacle are specifically manufactured in white for Lindgren-Pitman

Use a minimum of **8 gauge or thicker tinned wire** between the battery and receptacle with a **30 amp resettable breaker or 50 amp slow blow fuse** on the positive side as close to the battery as possible. A **Hi-Amp Buss swing arm breaker** with a manual trip push button is available from you local marine store or from Lindgren-Pitman. The red wire is the positive, the black is the negative. **PLEASE NOTE:** do not shorten the length of the reels cord – it will void the warranty. The reel will work with a standard lead acid marine duty deep cycle battery.

#### Minimum Wire Sizes from Battery to Outlet:

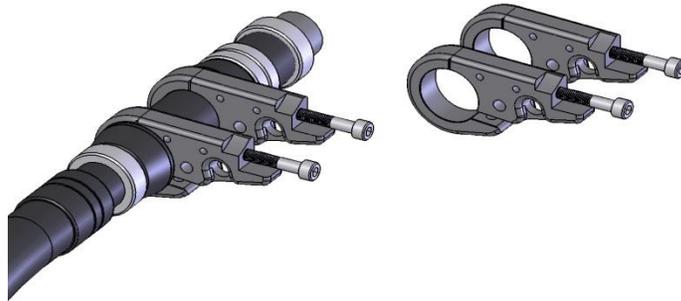
**0 to 10 feet - 8 AWG**

**10 to 20 feet – 6 AWG**

**For runs greater than 20 feet please call customer service to discuss your options.**

**Mounting:**

The SV-2400 weighs approximately 22 pounds with an empty spool. Please take into account the load requirements that your rod holders can handle. We recommend that at the very minimum your existing holders should be bracketed to the gunnel. Lindgren-Pitman, Inc. manufactures an optional rod holder bracket suitable for mounting this reel. As with any reel be sure it is tethered to the boat in case it breaks free from the rod holder, a hole is provided in base clamps to facilitate this.



The SV-2400 is supplied with L/P reel base clamps shown above (the rod and rod butt are shown for illustration purposed only and are not included) with either 80 (1.343" diameter) or 130 (1.565" diameter) rod butt mounts to be specified at the time of purchase. First install the two clamps to the reel with the supplied M8 Allen screws (do not tighten) using a 6 millimeter wrench. Now take your supplied rod butt and use a sharpie marker to mark the middle of the reel seat on the ferrule. Next, slide the rod butt through the clamps and tighten the larger M8 screws with a 6 millimeter to a torque of 35 foot pounds. Finally adjust the butt so the sharpie line you made on the ferrule lines up to the twelve o'clock line on the rod clamps. The reel should be on a horizontal plane in relation to the rod butt. Once horizontal, tighten the M6 5 millimeter Allen clamp screws to a torque of 15 foot pounds. Note: the rod clamp that has the hole for securing a line tether is to be mounted towards the bottom of the rod butt.

### **Loading the Spool:**

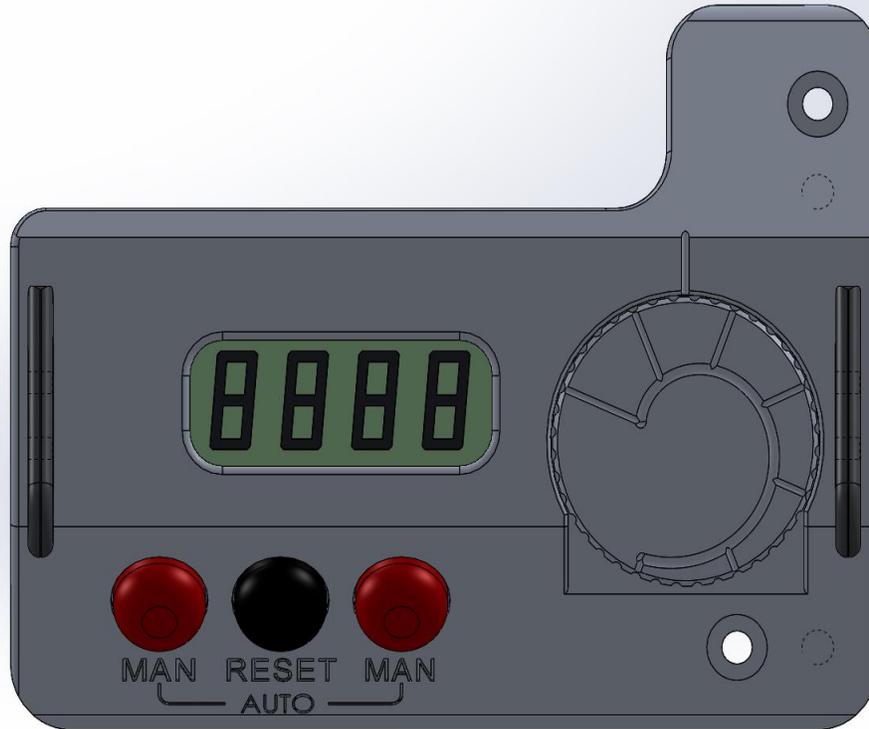
Typically the line of choice will be preloaded by the retailer

**WARNING: never use a battery charger to run the SV-2400 as the power is not clean and it can damage the circuitry and void your warranty.** Because of the materials used, the nylon or titanium spools do not require backing. When loading the spool it is necessary to use the level winder to establish the correct track for the line. Once it has been fully loaded the level winder will always follow the same track keeping the line perfectly wrapped.



### **Adjusting the level winder position:**

If for any reason a spool is changed the same spool loading procedure must be followed. When the spool is mounted make sure the position of the level winder matches the location of the line on the spool. If the line is not aligned, simply pull down on the knurled knob located under the level winder and slide it to the correct position. Pay special attention during the first drop, to be sure the line and the winder stay in-sync. The level winder can be removed by pulling down on the knurled knob and sliding it off the Delrin level winder bar.



## **CONTROL PANNEL BUTTONS**

### **Reset / Clicker Button (Black Button)**

This button works two separate features. A quick push will either activate or deactivate the included clicker. When activated an internal speaker on the SV-2400 will make a single beep sound for each revolution of the spool similar to that of a traditional “clicker”. The faster the spool turns the quicker the clicks become. The clicker only sounds during the payout of line and is silent when line is being retrieved. The speaker for the clicker is located under the control panel and volume can be adjusted by turning the speaker cover.

The second function of the reset button is to zero the counter. This is accomplished by “holding” the reset button for five seconds.

The “stop at zero” feature uses this as the reference point to turn the reel off.

**WARNING: Never push the reset button without first setting the rig at least 20 feet below the top of the pole. Failure to do this could cause the fishing rig to retrieve past the tip and the possible loss of gear and fish.**

### **Manual Retrieve Buttons**

Pushing either one of the “man” buttons turns the reel on as long as the button is held down. Once the button is released the spool stops. This is used to advance the reel manually. This is especially useful after using the “stop at zero” feature to slowly bring the gear to the boat. It can also be used to retrieve the rig if the “stop at zero” feature is not used or the reset button is accidentally pushed.

**Stop at Zero** is activated by pushing both of the man buttons together for at least two seconds. This is one of the handiest features of the SV-2400 as it makes for truly “hands free” retrieval. **WARNING:** Once the “stop at zero” feature is activated it runs the reel until the counter hits 0000. **IMPORTANT:** If at any point the reel needs to be stopped push either of the red “man” buttons. The “stop at zero” can be continued by pushing both “man” buttons again at the same time for two seconds and the reel will continue to run until the counter reaches 0000.

### **Variable Speed Knob**

The SV-2400 can a wide range of speed from approximately XXXX to XXXXX feet per minute. This is done by turning the speed knob clockwise to go faster or counter clockwise to slow the spool while the reel is running. The knob be adjusted at any time and the pulling power of the reel remains fairly constant independent of the speed????

### **Harness Lugs:**

The top of the control panel incorporates two harness lugs. The main function of these are to offer protection to the glass screen above the display.

### **Using the SV-2400:**

Once the wiring has been routed and the reel is mounted the SV-2400 is ready for service. As with any other instrument, a little practice will make its use second nature. Plug the cord into the receptacle and backlight will illuminate the display reading 0000. Begin by releasing the drag and pulling the lever towards you, “free spooling” the line about 20 feet. Push the reset button to set the counter to zero. The counter only counts the number of revolutions of the spool and is an approximate measurement of feet. The actual payout varies by the amount and diameter of line on the spool and the stretch of the type of line being used. This is why you should always “free spool” some line prior to setting the counter to allow for a margin of safety when using the auto retrieve.

Once the counter has been reset release the drag again and notice the counter numbers increasing as the line leaves the spool. While free spooling, adjust the drag so it pays out at a nice even speed. Once you have decided to retrieve the rig press both red buttons marked “man” for manual and hold them down together for at least two seconds. The reel will begin to retrieve the line until the counter reaches 0000. Once this happens the reel shuts off. To get past the 0000 once the reel has stopped, press either of the “man” buttons which manually retrieves the line as long as either button is pushed. Once the rig is to the top of the pole the same procedure can be repeated over and over again.

### **Reaching Maximum Pull While Dredge Fishing**

Should you reach the maximum pulling power the reel it will automatically shut down to a holding position. As soon as the line tension is reduced the reel will continue pulling. This is particularly useful while using it as a dredge when compared to the LP-S1200 which shuts down and needs to be restarted.

### **Changing the Spools:**

As already mentioned the cantilever spool design makes line changes easy. Optional nylon and/or titanium spools can be purchased that can be used to hold back-up or alternate line sizes and types. To remove the spool loosen the quick release knob in the center of the spool turning it counter clockwise until it comes off its shaft. The spool can be removed from the reel, replacement is the opposite of the removal procedure. Follow the procedure for line alignment with the level winder under the "Loading the Spool" section above.

### **Low Voltage Indicator:**

Should you plug the SV-2400 be plugged into a 12-volt power source or the source voltage it too low the display will blink. This will not damage the electronics.

### **SV-2400 Features:**

- High Power "state-of-the-art" brushless and sensor less 24-VDC motor operation
- Variable Speed Control
- Electronic control and switching.
- Auto off under overload while automatically restarting with load reduction
- Backlit electronic counter
- Stop at zero mode
- True clicker feature that reacts to spool speed
- Simple easy to use controls
- Hands off hauling
- Gear driven level winder
- Ergonomic cantilever design
- Optional titanium spool endures any type or size of fishing line
- Hard coat anodized aluminum alloy construction
- Changeable spool design
- External preset and Vernier drag control
- Smooth wide span drag control (over 180 degrees)
- 0 to 150 lb. plus drag capability
- Designed to endure continuous fishing in deep water for large fish
- All line usable spool design
- High line capacity spool

**Maintenance:**

Treat the SV-2400 the same as you would of any other high quality marine electronic component. While the SV-2400 is completely sealed, care should be taken to minimize its exposure to the salt water environment. If possible, remove the reel from the rod holders when not in use. Always rinse the reel with fresh water and thoroughly dry. The case is made from aluminum and is hard anodized to prevent corrosion, it does not require any special care beyond that noted. If you are not using the “clicker” the speaker under the console should be kept in the “quiet” closed position to help keep water out. The nylon and titanium spools will not react with any type of line used and require no maintenance. The display bezel is glass and is very durable but be careful not to place any weight on the glass or let anything hit it as it could shatter. NEVER use abrasive cleaners on the SV-2400, just soap and fresh water. Before any outing, test the reel prior departure to be sure all of the features are functioning correctly.

Every season the reel should be thoroughly inspected for any damage or corrosion. Inspect the cord for any cuts and inspect all of the electrical terminals, they should be free of corrosion.

**Current Overload Protection:**

The SV-2400 has three protection circuits to prevent the reel from drawing too much current. It has a factory set maximum drag as a first line of protection. If for any reason this is bypassed and the reel stops operating under load, the current limiting safety has more than likely been triggered. Simply push either of the man buttons twice and it will reset the reel and it should continue running. If this still does not work unplug the reel and let it set for approximately one minute without power. This clears the software and the reel should continue to function.

**Service and Storage:**

Should you notice any loss in performance or have any problems operating the SV-2400 it should be returned to Lindgren-Pitman, Inc for evaluation. There are no parts inside the reel that can be serviced except by factory technicians. **All parts are fit to exacting tolerances and any attempt made to open either the case or display will void the warranty.** If for any reason any of the bolts need retightening, all hardware is metric. It is recommended that the reel be stored in a warm and dry space such as the engine room. Storage in the salon or other air conditioned rooms onboard can be detrimental due sudden changes in temperature and humidity that can cause condensation inside the reel. For long term storage it is recommended that the SV-2400 is kept in a secure temperature controlled room off of the boat. **Important Note: Always store the reel with the drag released, this will ensure the drag springs do not loose their compression tension.**

**Warranty:**

The SV-2400 is warranted to be free from defects in materials or workmanship for one year from the date of purchase. Within this period, Lindgren-Pitman, Inc. will, at its sole option, repair or replace any component which failed in normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alterations or repairs.

**THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.**

**IN NO EVENT SHALL LINDGREN-PITMAN, INC. BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.**

Lindgren-Pitman, Inc. retains the exclusive right to repair or replace the product or offer a full refund of the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY

**Accessories:**

Titanium Spool

Cover

Rod Holder Support Bracket,

LP Portable "Pigtail" Kit used to temporally connect the reel to a 24 volt DC source

L/P Hard Wiring Kit to permanently wire your boat (Hubbell box, 20' of 8 gauge wire and Buss breaker)

Once you receive your SV-2400 please register it by emailing Lindgren-Pitman, Inc. at [sales@lindgren-pitman.com](mailto:sales@lindgren-pitman.com) with your name, address, phone number along with the serial number(s) of the reel you purchased. This way we can keep you up to date with future Lindgren-Pitman products and should the reel be stolen we can help to try to get the reel back to its rightful owner.

*The SV-2400 is protected by Both Domestic and Foreign Patents Pending*

Manufactured in the U.S.A

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