



E-Z ANCHOR PULLER MFG. CO.
America's Anchor Winch Since 1990



INSTALLATION, OPERATION, MAINTENANCE & WARRANTY INFORMATION

**FOR THE FOLLOWING MODELS -
EZ-EFF-2S100**

Toll Free Tel: (800) 800-1640

Toll Free Fax: (855) 855-1540

support@ezanchorpuller.com

www.ezanchorpuller.com

CAUTION: READ AND UNDERSTAND THIS MANUAL BEFORE INSTALLATION &
OPERATION OF EZ ANCHOR PULLERS. SEE SAFEGUARDS AND WARNINGS!



Thank you for purchasing E-Z Anchor Puller's ultimate **direct drive** drum anchor winch companion, the E-Z electronic fast fall system (EFF). This product is perfect for those who want to deploy their anchor *twice as fast as the direct drive capabilities currently allow (100' per minute)*. It is compatible with the Hero and Patriot series.

Adding the EZ-EFF-2S100 doubles the voltage of your direct drive drum anchor winch while also allowing you to completely control the drop by holding down the button until your anchor hits bottom.

Diagram Index:



- *Motor wiring side* - maintain a min. 3 ft. / 1 m. when connected the EZ-EFF to drum winch motor.
- *EFF mounting tabs* - use these to retrofit the unit onto the boat. Ensure the unit is covered from ocean spray
- *Enable EFF "on/off" button* - press and hold for two seconds to enable EFF free-fall. Press in and hold again to disable and deploy at manual speeds.
- *Battery Wiring Side* - negative terminals to boat battery; positive terminals to circuit breaker, then to boat battery.

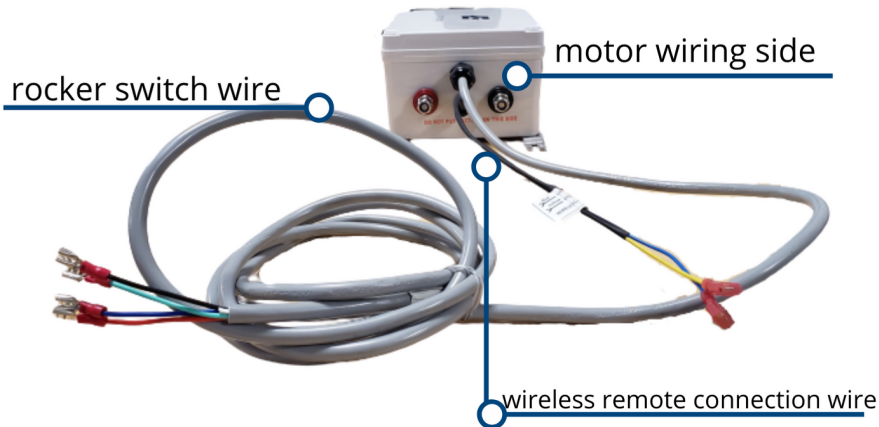
EZ-EFF-2S100 INSTALLATION INSTRUCTIONS: Install the EZ-EFF-2S100 in a well-protected area using the mounting tabs attached underneath the box.

IMPORTANT NOTICE: THIS ELECTRONIC FAST FALL IS MEANT TO BE INSTALLED IN A SAFE, DRY PLACE AWAY FROM ANY OUTSIDE ELEMENTS. KEEP IN MIND THIS IS AN ELECTRONIC POWER BOX AND MUST BE INSTALLED AWAY FROM WATER

***Important note:** keep the "on/off" button into consideration when choosing the location of installation for the EZ-EFF system: should you choose to temporarily suspend fast fall, make sure the button is accessible. The "on/off" button is located top-side, directly above the "E" logo box panel.

If not already done, mount the rocker switch panel to the dash, then connect the drum anchor winch motor cables to the motor terminals on the designated side of your new EZ-EFF unit

(wires shown in the below diagram). Connect the negative cable from the house battery to the black battery terminal on EZ-EFF-2S100, then connect the positive cable from the battery/circuit breaker to the red terminal side labelled “battery power in” on the EZ-EFF-2S100 unit.



Failure to connect the terminals in this way will result in damage to internal components and void any warranties on your EZ-EFF unit.

See the complete Wiring Guide on the last Page of your manual.

Diagram Index:

- *Motor Wiring Side* - connect negative and positive terminals to the winch motor.
- *Rocker Switch Wire* - connect the grey cable wiring to your drum anchor winch rocker switch, typically mounted at the helm.
- *Wireless Remote Connection Wire* - connects to the optional wireless remote control’s wireless receiver box. See wiring diagram.

Recommended wiring for the EZ-EFF systems must begin from the motor wires to the house battery. For recommended gauge wiring, refer to the wiring chart located in the drum anchor winch manual.

The **rocker switch** on your vessel will be connected to the **grey wire** located in between the positive and negative terminals on the motor wiring side of your EZ-EFF unit (pictured above) and should be wired as such:

- **Red wire** to **power/ +12v** on rocker switch
- **Black wire** to **neutral/ -12v** on rocker switch
- **Blue wire** to **“up”** function color coded on switch
- **Green wire** to **“down”** function color coded on switch

If you own a **wireless remote** for your E-Z Anchor Puller drum anchor winch, connect the **black output cable** encasing the yellow and blue wires to the appropriate connections on your wireless remote receiver box. The Black and Red wire terminals connect to the “battery power in” side. They should connect as such:



- **Red wire** to **power/ +12v** on remote receiver box
- **Black wire** to **neutral/ -12v** on remote receiver box
- **Blue wire** to **Green wire** = “up” on remote receiver
- **Yellow wire** to **Yellow wire** = “down” on remote receiver

Before going out on the water, test the direction of the drum rotation and interchange the position of the cables **connected at the motor terminals** on the EZ-EFF is needed. it is important to test the direction of the anchor winch’s drum rotation before use.

Always ensure correct operation and observe the chain and rope are falling fast and retrieving at normal speed

NOTICE: The EZ-EFF-2S100 is **not** designed to **retrieve** the anchor at EFF speeds and all warranties will be considered null and void if this occurs. With any questions or concerns, contact E-Z Anchor Puller at 1.800.800.1640.

HOW TO DEPLOY ANCHOR WITH EZ-EFF-2S100:



Keep in mind that your drum anchor winch is still a direct drive unit, meaning you must press and hold the button down/up to operate it. The EZ-EFF-2S100 is a direct two-speed unit. **MAKE SURE THE EFF FAST FALL IS ON BY PUSHING THE BUTTON IN ON THE SIDE OF YOUR EFF BOX.** To deploy your anchor, you must continue to hold the “down” button on your rocker switch. While pressing the “down” button, your EFF will be engaged after 2 seconds and drop your anchor at twice the speed.

TIPS & TRICKS WHEN ANCHORING: To drop the anchor you should always go past your mark and put the boat in reverse to idle back. When ready, press down on your rocker switch to deploy the anchor. Observe the operation and ensure there is tension on the rope. Be sure not to overrun the rope on the drum.

Once the rope becomes loose/slack, stop the downwards operation. If more rope is required to be released; quickly push and release the “down” side of the rocker switch panel until the slack rope becomes tight again. When you’re satisfied with the position of your vessel and the amount of rope released, turn off your engine and enjoy being at anchor!

When retrieving the anchor, start your engine and idle forward while pressing the “up” side of your rocker switch. Be ready to stop as the anchor reaches the top bow roller and is securely in place. Now, you’re ready to go find your next fishing spot! **Always have a spare rope and anchor in case of a power failure or winch failure in order to deploy the anchor.**

*Wiring Guide **NOT** drawn to scale.

View instructions on page 2

