



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

30 YEARS
ANNIVERSARY

ELECTRONIC FAST-FALL SYSTEM

EZ-0404



KIT INCLUDES:

- Mounting Hardware
- Mounting Brackets

Email additional questions to support@ezanchorpuller.com

The Electronic Fast Fall Solenoid System (EFF-2S-200E) is for those who want to deploy their anchor **twice as fast** as the direct drive capabilities of the Hero and Patriot series currently allow (100' per minute), but do not necessarily want or need free-fall. Adding the EFF-2S-200E 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.

HOW TO DEPLOY ANCHOR AND OPERATE THE EFF-2S-200E:

PLEASE NOTE - This box takes the place of the solenoid that was sent with the drum winch. Do not try to wire this box with the original solenoid.

On the side of the box is a power button that allows you to use the box in the fast fall mode or at regular speed deployment. If the button is NOT depressed, you are in the fast fall mode. If you DO NOT want to be in the fast fall mode, depress the button.



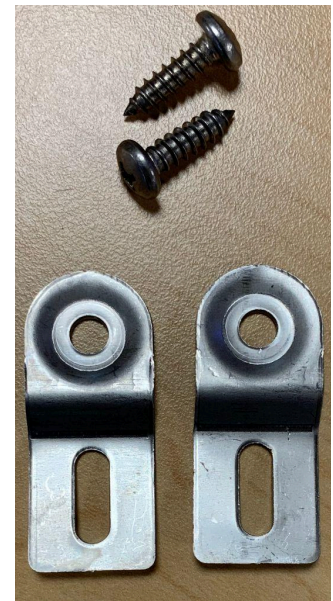
In fast fall mode, while holding in the “down” button, the EFF will activate after two seconds and drop your anchor at twice the direct drive speed. Keep in mind that your drum anchor winch is still a direct drive unit, meaning you must press and hold the rocker switch button down/up to operate it.

EFF-2S-200E INSTALLATION INSTRUCTIONS: Install the EFF-2S-200E in a well-protected area, away from exposure to water, using the mounting tabs attached underneath the box.

IMPORTANT NOTICE - THE EFF 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!

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 on the long edge of the unit, directly above the top of the unit where the logo is.

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 EFF-2S-200E, then connect the positive cable from the battery/circuit breaker to the red terminal side labeled “battery power in” on the EFF-2S-200E 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.**

Diagram and Wiring Directions:

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. See the EFF unit wiring diagram on page 4. Refer to the below outline for wiring details:

- *Motor Wiring* - Connect negative and positive terminals to the winch motor.

For the motor, maintain a minimum. 3 ft. / 1 m. when connected the EZ-EFF to the drum anchor winch motor. Switch the motor wires around if the EZ-EFF does not go down fast. Must maintain a minimum of 3 ft. of cable between the anchor winch motor and EZ-EFF.

- *Battery Wiring* - **Do Not** cross battery wires! This will cause damage to your EZ-EFF and void the warranty. For boat battery, negative terminals to boat battery / positive terminals to circuit breaker, then to boat battery.
- *Rocker Switch Wiring* - Connect the EFF gray cable to your drum anchor winch rocker switch, which is typically mounted at the helm:

- *EFF Red wire* to Red + on rocker switch
- *EFF Black wire* to Black - on rocker switch
- *EFF Blue wire* to “up” function on rocker switch
- *EFF Green wire* to “down” function on rocker switch

- *Wireless Receiver Unit (remote control)* - connect the **black output cable** encasing the green and blue wires to the appropriate connections on your wireless remote receiver box.



They should connect as such:

- *EFF red wire* to red + wire on remote receiver box
- *EFF black wire* to black - wire on remote receiver box

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- EFF blue wire to green up solenoid coil wire on remote receiver
- EFF green wire to yellow down solenoid coil on remote receiver

It is important to test the direction of the anchor winch's drum rotation before use. 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 if needed.

NOTICE: Ensure correct operation by observing the chain and rope falling fast, then retrieving at **normal speed**. The EFF-2S-200E is **not** designed to retrieve the anchor at EFF speeds. 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.

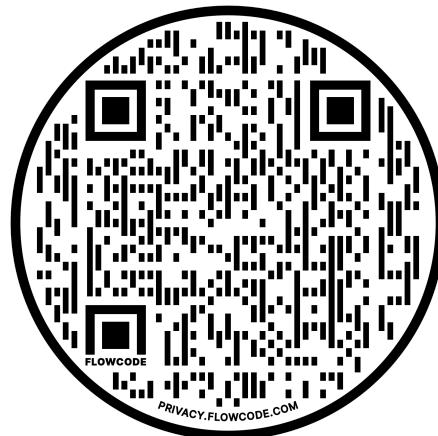
TIPS & TRICKS WHEN ANCHORING: To drop the anchor you should always go past your mark and put the boat in reverse to idle back. When ready, press down on your rocker switch to deploy the anchor. Observe the operation and ensure there is tension on the rope. Be sure not to overrun the rope on the drum.

Once the rope becomes loose/slack, stop the downwards operation. If more rope is required to be released; push and release the "down" side of the rocker switch panel until there is slack in the rope 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.**

WARRANTY INFORMATION

For complete warranty information and protection, please click the link or scan the QR code with your camera phone below to go directly to our warranty page. You'll receive a confirmation email upon completion.



Email additional questions to support@ezanchorpuller.com

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