Chelsea® EOC

Electronic Overspeed Control For Chelsea PowerShift PTOs

Overview:

Chelsea has developed the next generation of Overspeed Controls for PowerShift PTOs. This option for Chelsea PowerShift PTOs prevents the driver from going down the road with the PTO engaged. The New Chelsea EOC (Electronic Overspeed Control) is 75% smaller than our original version. The new circuitry will automatically sense your 12 or 24 volt electrical system and adjust accordingly. The Chelsea EOC senses speed directly from the PTO drive gears instead of the alternator. This provides you with an accurate reading of RPM not subject to alternator problems or belt slippage. The unit is very simple to set with our easy set-up buttons. The LED lighting in the EOC has three settings for the best visibility for the operator. The audio and visual blinking overspeed warning alerts the operator that the PTO is in the overspeed protection mode. This option with any Chelsea PowerShift PTO will provide you with the best system for protection of your driven equipment.

- LP Gas Trucks
- Water Trucks
- Fire and Rescue
- Aerial Devices
- Dump Truck & Trailers
- Snow and Ice Removal

Product Features and Benefits:

- 75% Smaller than the existing unit
- 12/24V Sensing
- Audible and visual overspeed warning
- Replaces existing unit using the same wiring
- Easy set-up buttons: No little screws or screwdriver
- No special software/hardware required
- Self diagnostics
- Dual mode: Auto PTO re-engage or manual PTO engage
- Three adjustable LED brightness settings
- Can also be used as simple On/Off switch

Contact Information:

Parker Hannifin Corporation
Chelsea Products Division
8225 Hacks Cross Road
Olive Branch, MS 38654 USA

Phone: 1-888-PH4-TRUK
(1-888-744-8785)
Fax: 1-662-895-1069
chelseacustserv@parker.com

www.parker.com/chelsea

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Engagement Modes:

Selecting the Overspeed RPM:

This is usually based on safety, noise control or fuel economy considerations. The high limit set point should be set no greater than the maximum speed allowed by the manufacturer of the driven equipment, and the engine, BUT IN NO CASE GREATER THAN 3000 RPM.

Selecting the Reset RPM:

The control is set to provide a reset, after an overspeed disengagement. The automatic reset should be set above the engine fast idle speed, BUT NO GREATER THAN 1000 RPM.

Safety Precautions and Preparations:

The control settings are to be made with the engine running – provide adequate ventilation and exhaust elimination or make the adjustments outdoors. Put the vehicle transmission in neutral, set the vehicle brakes, and chock the wheels. Disengage the driven equipment. Connect a tachometer to the engine, if there is not one in the vehicle.

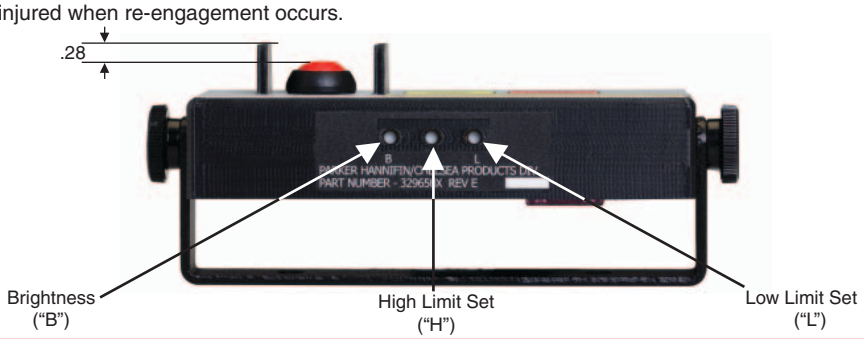
Description of Re-Engagement Modes

1. Manual engagement mode- In this mode the user must manually depress the On/Off button to re-engage the PTO after an overspeed condition.

NOTE: The unit is preset from the factory in this mode

2. Auto engagement mode- In this mode the unit automatically re-engages the PTO after an Overspeed condition and the lower set point has been reached.

WARNING: When the Parker Chelsea Electronic Overspeed Controller is set up in Auto Re-engagement Mode, the PTO will automatically engage when the engine RPM reaches the lower preset point thus causing the driven equipment to become operable. The vehicle or equipment operator must therefore make certain that other persons and property are not in a position to be crushed, impacted, caused to fall or otherwise injured when re-engagement occurs.



Series Specifications Chart – EOC

Series	Current Kit Number	Description
2230U, 230/231 & 885 Series	328388-52X	12V Air Shift w/ EOC
2230U, 230/231 & 885 Series	328388-53X	24V Air Shift w/ EOC
243 Series	329253-5X	12V EOC Kit
243 Series	329253-6X	24V EOC Kit
246/247 Series	329255-12X	12V EOC Box
246/247 Series	329603X	12V EOC Kit
270/271 Series	329366-12X	12V EOC Housing Conversion Kit, "HV" Input Gear
270/271 Series	329366-24X	24V EOC Housing Conversion Kit, "HV" Input Gear
270/271 Series	329367-12X	12V EOC Conversion Kit, "HV" Input Gear
270/271 Series	329367-24X	24V EOC Conversion Kit, "HV" Input Gear
270/271 Series	329368-12X	12V EOC Housing Conversion Kit
271 Series	328935-12X	12V EOC Conversion Kit w/o switch
271 Series	328935-24X	24V EOC Conversion Kit w/o switch
277/278, 280 & 859 Series	329448-12X	12V EOC Conversion Kit, "KV" Input Gear
277/278, 280 & 859 Series	329448-24X	24V EOC Conversion Kit, "KV" Input Gear
277/278, 280, 859 & 890 Series	329175-12X	12V EOC Conversion Kit
277/278, 280, 859 & 890 Series	329175-24X	24V EOC Conversion Kit
800 Series	329008-12X	12V EOC Conversion Kit
800 Series	329008-24X	24V EOC Conversion Kit

Supercedes HY25-0096-B1/US February 2012 HY25-0096-B1/US July 2015

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