

What's stopping your trailer?

TAKE CONTROL of your trailer brakes with Carlisle's new HydraStar XL® and ElectraStar® trailer brake controllers.

- Patented system "senses" the amount of braking effort required and provides for a smooth, safe stop
- Communicator plugs into tow vehicle's cigarette lighter, needs no special wiring to control trailer mounted actuator
- Vastly superior to surge brakes...eliminates feel of being pushed by trailer and problems with backing a trailer uphill
- Ideal for rental fleets or shared trailers...need to change tow vehicles? Just move the communicator
- Improves braking on trailers hauling boats, RV/campers, horses, cars, construction and farm equipment, and many other loads
- Meets all DOT regulations and complies with CFR-393 federal braking requirements...surge brakes are illegal in many states

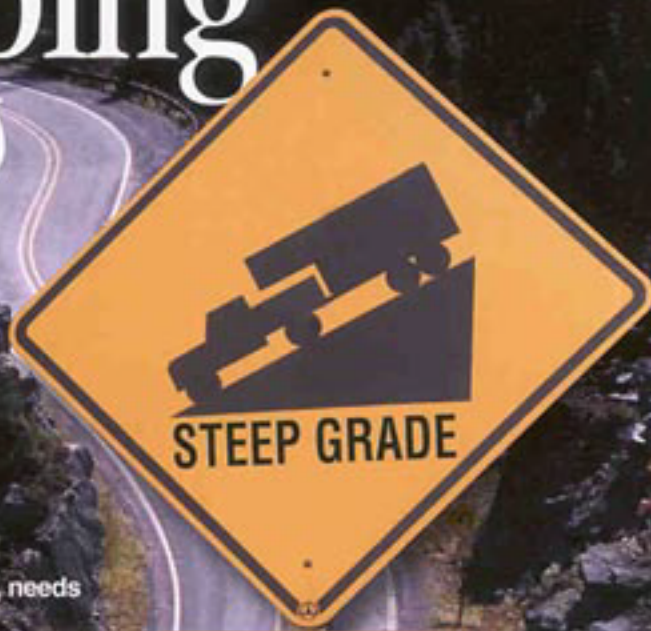
Don't be worried about stopping your trailer. Let a Carlisle trailer brake controller and communicator give you more stopping power.

You're in control with...

CARLISLE

Industrial Brake & Friction

To learn more call 800-873-6361
or visit us on line at
www.carlislebrake.com.



HydraStar® XL and ElectraStar® Model Numbers

HBAC10-CLR*	HydraStar XL Brake Actuator / Control with Plug-in Command Center
HBAC10*	HydraStar XL Brake Actuator / Control No Command Center
EBAC-CLR*	ElectraStar Brake Actuator / Control with Plug-in Command Center
EBAC*	ElectraStar Brake Actuator / Control No Command Center
CLR	Carlisle Command Center Plugs Into Cigarette Lighter
HBA-EBA	Electronic Breakaway Kit/17 Amp Battery Pack

* Requires HBA-EBA breakaway kit/battery pack

Specifications:

- Microprocessor/accelerometer control
- Six variable load control settings
- Plug-in Carlisle Command Center remote control unit
- 12 volt DC/15 amp operation – requires a battery and breakaway kit on trailer (works with any industry standard breakaway kit).
- Electrical connections – require splicing into the trailer's left/right turn, running light, and ground wires.
- Hydraulic brakes – for use with DOT 3 or DOT 4 brake fluid systems
- Output pressure – HydraStar XL 1000 psi
- Power – requires a 17 amp-hour, trailer-mounted brake battery for operation
- Trailer-mounted and self-contained
- Built-in 3-amp battery charger automatically charges trailer battery
- Breakaway system (optional) – automatically applies the trailer brakes and illuminates the trailer stoplights in the event the trailer and towing vehicle become separated.
- Dimensions –
HydraStar XL-16.4" long x 5.4" wide
ElectraStar- 10.5" long x 2.5" wide

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HydraStar® Trailer Brake Controllers

If you don't need the versatility of the HydraStar XL, but want the ability to control your hydraulic trailer brakes – TAKE CONTROL with our improved HydraStar trailer brake controllers. Unlike surge brakes, the trailer-mounted HydraStar allows the driver to adjust the braking power to match the load. These units are controlled by our in-cab controller (HSC) and provide 800 psi (HBA-8), 1200 psi (HBA-12) or 1600 psi (HBA-16) output pressures.

Superior to Surge Brakes

In addition to optimizing your trailer brake system for greater control and safety, HydraStar XL and HydraStar controllers solve many of the problems associated with traditional surge brake systems.

- Meets all DOT regulations and complies with FR-393 federal braking requirements, surge brakes are illegal in many states
- Eliminates the feel of being "pushed" by the trailer (reducing the potential for jackknife)
- Eliminates problems found when backing a trailer uphill with surge brakes
- Eliminates brake drag common with surge brakes on a downhill grade

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