



DX SERIES

ELECTRIC/HYDRAULIC ACTUATOR

COMPATIBILITY GUIDELINES

Trailer Brakes for DX Series Electric/Hydraulic Actuator

Aftermarket Trailer Brake Controllers

Time Based Controllers

These are typically the low-cost brake controller options with limited braking control and diagnostics. Although they will still brake the trailer, they are not as effective as inertia based controllers. The DX Series E/H Actuator system can work with a timed-based controller, however the brake control is not optimized and will likely result in poor performance. **Dexter recommends that an inertia based controller is used with the DX Series E/H Actuator system, NOT time-based brake controllers.**

Inertia Based Controllers

The majority of controllers on the market offer an inertia sensor as control. This allows the sensor to base its braking control level on the tow vehicles stopping inertia. Therefore, lighter braking on the vehicle will not result in heavy braking on the trailer. Matching of braking levels on the trailer and tow vehicle are achieved more easily, resulting in a more effective and comfortable stopping.

Dexter has sought to test with as many of the available aftermarket inertia based brake controllers as possible, to ensure compatibility of the trailer brake controller operation with the DX Series E/H Actuator system. This guideline outlines the controllers which have been tested and the resulting compatibility.

Vehicle Integrated Trailer Brake Controllers

Typically vehicle integrated controllers have more advanced brake control and diagnostics. Inertia is often the main brake control parameter. Additional signals such as vehicle ABS active, driver braking level and vehicle brake modeling can be used to further adjust the brake signal level.

If the electric brake controller is not satisfied with the DX Series E/H Actuator internal load simulator, an K58-036-00 compatibility adapter can be installed by the user.

BRAKE CONTROLLER AND VEHICLE MANUFACTURERS CONTINUALLY UPDATE SOFTWARE AND HARDWARE AS ISSUES ARE FOUND, OR AS NEW FUNCTIONALITY IS ADDED. THESE UPDATES ARE NOT OPENLY PUBLISHED AND DX SERIES E/H ACTUATOR SHOULD BE TESTED WITH NEW BRAKE CONTROLLER MODELS AS THEY ARE DISCOVERED.

Vehicle Integrated Trailer Brake Controller Compatibility

Ford®	High Confidence**
GMC®	High Confidence - 2017 and newer with adapter*
Chevy®	High Confidence - 2017 and newer with adapter*
Dodge®	High Confidence**
Toyota®	High Confidence
Nissan®	Untested

Aftermarket Trailer Brake Controller Compatibility

Aftermarket Brake Controllers		
Manufacturer	Model	Compatible
Curt™	Echo™ Mobile Trailer Brake Controller (51180)	Yes, except DX serial number prefixes TCV, TCB, and CBH
	Reflex™ (51130)	
	Spectrum™ (51170)	
	TriFlex™ (51140)	
Dexter®	DX2 Predator® (058-008-00)	Yes
Draw-Tite®	I-command (5535)	Yes
Hayes	G2 Brake Boss® (81792BB)**	Yes
	Energize III+® (81742B)	Yes
	Genesis® (HA81790)	No
Hayman Reese®	CompactIQ® (8508700)	Yes
Hopkins®	Agility™ (HM81742B)	Yes, except DX serial number prefixes TCV, TCB, and CBH
	InSIGHT™ (47297)	
RedArc®	Tow-Pro Elite (EBRH-ACCv2)	Yes
Tekonsha®	Envoy (9040)	No
	Primus™ IQ (90160)	Yes
	Prodigy P2® (90885)	Yes
	Prodigy P3® (90195)	Yes
	Sentinel (9055)	Yes
	Voyager® (9030)	No

*Must use K58-036-00 adapter for compatibility. Use of adapter on GMC/Chevrolet vehicles produced prior to 2017 is not recommended.

**Set brake controller to E/H or EOH mode, see owner's manual for specific instructions.