

NEW INNOVATION



Information Guide

CORE FUNCTIONALITY FOR 3500KG BRAKING

Introduction

As the name suggests the Credo Core is the tried and proven Credo controller distilled down to the core functionality for electric only brake systems. The Credo Core does not include several of the parts and components to make the Credo so versatile and the difference can be seen in the following table.

Credo	Credo - Core	Feature benefits
Load Resistor	None	Prevents bulb fault detection triggering on tow vehicle.
Battery Charger	None	Allows for running higher load braking systems like EOH Pumps.
Single Power Source	Multiple Power Sources	Multiple power sources, provides for more installation options and failover.
Taillight Output Switching	None	Brake lights on for a breakaway, prevents taillight flashing on some vehicles, output short protection.
Integrated Breakaway Circuit	None	Automates powering on the EOH pump onto the battery.
Aux Power Output Isolator	None	Prevents pumps and other equipment draining the trailer battery.
True 12v / 24v Operation	Partial	Because the traditional Credo charges the breakaway battery with a buck / boost charger, both 12 & 24v vehicles can be connected without damaging trailer electrics. Credo Core will operate at 24v but does not protect other electrical components on the trailer.

Multi Power Source

To operate safely the Credo Core has a new multi power source architecture that allows power to be sourced from multiple sources simultaneously to power the brakes. This means that the Credo Core can operate up to 3 axles of electric drum brakes with ease when enough power is available. The power capability of each input is in the table below.

Input	Current Capacity	Notes
Taillights	8A	Not required of there is sufficient Aux power available.
Brake Lights	8A	Also triggers the brake cycle.
Aux 1	12A	Normally paired with Aux 2
Aux 2	12A	Normally paired with Aux 1

