

LEESON Speedmaster DC Control information

15 Series

General Specifications:

- Dual Voltage – 12/24 VAC or 120/240 VAC Input
- Adjustable Minimum and Maximum speed
- Adjustable IR compensation
- Fixed Acceleration – (0.5 seconds)
- 5K ohm Speed Pot included
- 25:1 speed range and 1% speed regulation



NEMA 4/12
Non-Reversing



Figure 1



Figure 2

15 SERIES

Description	Catalog Number	Output Current Amps	HP Range		App. Wgt. (lbs.)
			115V	230V	
NEMA 4/12 Non-Reversing	174696.00	3.0	1/3	2/3	1
Chasis - Figure 1	174695.00	2.0	1/6	1/6	1
Chasis - Figure 2	174694.00	2.0	1/6	1/6	1

Available 1st Quarter 2011

LOW VOLTAGE ADJUSTABLE SPEED CONTROLLERS

LEESON's DC to DC controllers are a chassis type design, that accept a DC input voltage and output a DC power voltage to control the motor speed. The speed maybe varied with the potentiometer that is shipped loose with the control or an external voltage signal.



Higher design efficiency results in longer running time between battery charges than is possible with traditional methods of speed control using resistance in series with the battery.

Typical Operating Features: Provides smooth 40 to 1 speed range capability for mobile equipment. Maintains variable speed control as batteries discharge. Adjustable min/max speed, IR compensation, and 200% current limit overload protection. Inhibit pin terminals provide customer optional start-stop without breaking battery lines. Green LED power on indicator is provided.

Catalog number 175290 does not require a heat sink, and measures 6.9L x 4.44W x 2.19D. Catalog numbers 175291 & 175292 do require heat sink, which is included and measures 7.78L x 6.9W x 3.25D.

Input Voltage	Max. Amp Ratings	Catalog Number	App. Wgt. (lbs.)
12/24	16	175290.00	2
12/24	60	175291.00	4
36/48	60	175292.00	4

LOW VOLTAGE ADJUSTABLE SPEED CONTROLS FOUR QUADRANT CONTROL

General Specifications: This series of drives is a chassis type design that accepts DC input to output up to 100% of the input voltage. The 12/24-volt drive is rated at 120 amps continuous and the 36/48-volt drive is rated at 100 amps continuous. The speed is adjustable with a speed potentiometer that is shipped loose with the controls. This control also offers extended battery life through a sleep mode feature and has an inhibit circuit for convenient remote starting and stopping.



Additional Features Include: Simple reversing and braking using a switch closure to the drive. Controls have a built-in short circuit to protect itself from a shorted motor. They offer a 1.01 Form Factor, which offers clean DC output for quiet motor operation and efficiency. They also have a temperature sensor, which automatically reduces the current limit if the controller heats up. On Board trim pots for calibration, speed and forward and reverse settings.

Units include heat sink and measure 6.9L x 5.0W (including terminals) x 2.5D and have mounting slots.

Input Voltage	Max. Amp Ratings	Catalog Number	App. Wgt. (lbs.)
12/24	120	174298.00	3
36/48	100	174299.00	3

CONTROL PARTS

Catalog Number	Description
900282.01	Inhibit Plug
006708.01	Speed Pot (10k/5w pot, washers & nut)

