

Fractional Horsepower DC Speed Controls for PMDC Motors

1/15 thru 1/4

115 VAC Single Phase 50/60 Hz.

Applications: Conveyors, machine tools and other applications requiring adjustable speed.

Features: Simple DC motor control with built-in circuit breaker, center lock reversing switch (center off), on/off switch, 7 foot SJO oil resistant cord, and variable voltage transformer for manual speed adjustment. NEMA 1 enclosure is standard. CSA list file # LR54532.



Max Hp	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt.	Amp Capacity	Input Voltage
1/15	BC110	533	E9	5	1.0	115VAC
1/8	BC115	569	E9	6	1.5	115VAC
1/4	BC130	724	E9	10	3.0	115VAC

NEMA 1 Enclosed DC Controls for PMDC and Shunt Wound Motors

1/100 thru 2 Hp

115/230 VAC Single Phase 50/60 Hz.

Applications: General purpose industrial use with permanent magnet or shunt wound DC motors.

Features: SCR controls have a free-wheeling diode and feature adjustable accel, decel, current limit, IR comp, min. and max speed pots to match applications. The anti-demag feature protects PM motors and helps protect the SCR power bridge against direct shorts. The controls have US and Canadian UL component recognition.

A Plug-in Horsepower Resistor® and armature fuse **must** be ordered and installed in BC138, BC139, BC140, BC140-FBR, BC141 and BC142.



BC140 ENCLOSED (NEMA 1)

Hp Range	Catalog Number	List Price	Mult. Sym.	Ap'x Shpg. Wgt. Lbs.	Input Voltage
1/100-1/3	BC138	211	E9	1	115
1/50-3/4	BC139	211	E9	1	230
1/100-2 (a)	BC140	358	E9	3	115/230
1/100-2 (a)	BC140-FBR	495	E9	3	115/230

NOTE: (a) 1 Hp at 115V and 2 Hp at 230V requires BC143 heatsink kit. See page 330 for features. FBR=Forward/Brake/Reverse.

DC Control Accessories

Catalog Number	Description	List Price	Mult. Sym.	Ap'x. Shpg. Wgt.
BC24-LF	Ac Line Filter for use with CE Applications	72	E9	1
BC143	External Heatsink Kit (BC140, BC140-FBR, BC141, BC142, BC204)	69	E9	2
BC144	Forward-Brake-Reverse Switch Kit for BC140	120	E9	1
BC145	Signal Isolator Board	204	E9	1
BC146	Current Sensing Relay/Overload Protector	132	E9	1
BC147	Barrier Terminal Board (BC141 and BC142)	29	E9	1
BC148	Replacement Potentiometer Kit (5K ohm)	12	E9	1
BC149	Knob and Dial Kit	14	E9	1
BC152	Barrier Terminal Board With Signal Isolator (BC141 and BC142)	187	E9	1
BC218	DIN-rail mounting kit for BC141, BC142 or BC204	34	E9	1

NOTE: BC24-LF is an AC line filter required for applications where CE is required if the control is not filtered elsewhere in the application. This filter may be used on most 115 or 230 VAC, single phase applications where CE is required.

Farm Duty Motors

Definite Purpose Motors

Unit Handling Motors

Brake Motors

200 & 575 Volt Motors

IEC Frame Motors

50 Hertz Motors

Inverter/Vector Motors & Controls

DC Motors and Controls

Soft Start & Dynamic Brakes