

THE EXCELERATOR

MODEL 810/810CS

INDUSTRIAL LINEAR ACTION ACCELERATOR

Application:

The MODEL 810 EXCELErator is a heavy-duty industrial accelerator that is well suited for both original equipment applications and after market retrofit. The special linear design of the unit provides a smooth resistance from the initial switch through the final (1A) switch. A standard feature of the unit is the ball joint on the end of the slide arm that, combined with the linear action of the unit, provides a variety of mounting options. Also included is a convenient pre-wired harness with connector that allows for fast, easy installation, replacement, and troubleshooting. The unit can be used in applications where a resistance of 0 to 5000 or 5000 to 0 ohms is required.

The MODEL 810CS EXCELErator is designed specifically for cold storage applications. All the features of the standard model are included Plus an internal heater resistor has been added to keep the inside of the unit dry and free from moisture.

Note: See chart for resistor value vs input voltage

Electrical Specifications:

Potentiometer:	5000 ohms \pm 20% linear, carbon film active region = 1.25 inch
Microswitches:	Spot, silver cadmium oxide Ratings: 10 amps@ 125 Volts A.C. 3 amps@ 48 Volts D.C. 1.5 amps@ 72 Volts D.C.
Harness:	Amp "Mate-N-Lock" series, 9 position connector and color-coded #18 stranded, 80 degree centigrade PVC coated wire with protective jacket approx. 10" long



Truck Volts	Resistor Value	Dash No.
12V	20 Ω	-12
24V	82 Ω	-24
36V	180 Ω	-36
48V	330 Ω	-48
72V	750 Ω	-72

Mechanical Specifications:

Action:	linear, push or pull
Stops:	Internal at travel limits
Travel:	1.25 inches total First .125 inch actuates initial microswitch last .125 inch actuates final (1A) microswitch
Return Spring:	Initial = 4 pounds Final = 14 pounds
Shaft:	.250 inch Diameter, 1/4 - 28 UNF thread one end, ball joint the other end
Bearings:	Long life, permanently lubricated, molybdenum disulphide filled nylon.



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