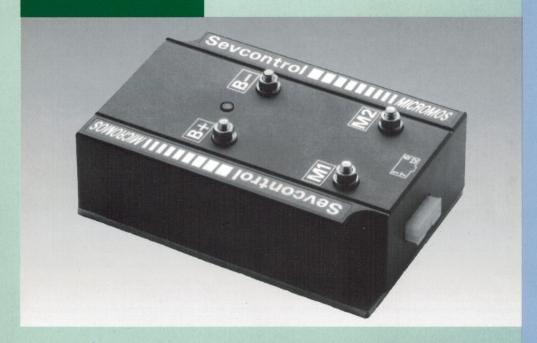
SEVCON



SC 1000 RANGE LOW POWER "MICROMOS" CONTROLLERS

SC 1400 SERIES (FOUR QUADRANT)

The SC 1400 Series of D.C. traction motor controllers offers a cost effective solution to low power applications such as small warehouse trucks, sweepers, personnel carriers and other electric vehicles fitted with permanent magnet motors.

Combining state-of-the-art microprocessor based technology with high frequency MOSFET power electronics, the SC 1400 series offers both software flexibility and silent, efficient operation.

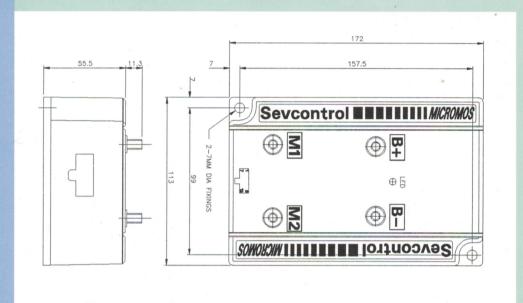
The integrated micro-controller at the heart of the SC 1400 significantly reduces component count, resulting in maximum reliability at minimum cost.

Solid state, four quadrant switching eliminates the need for direction contactors.

BENEFITS

- System Cost Savings
 Low Controller Cost
 Solid State "Contactorless"
 Operation
- Increased Efficiency Regenerative Braking
- Silent Operation
 High Frequency Switching
- Increased Operator Safety
 Triple Failsafe
 Accelerator Failure Detect
 "Belly" Switch Option
 Automatic Neutral Braking
 Built-in Cutback Speed
- Enhanced Protection
 Over Temperature Cutback
 Undervoltage Lockout
 Inputs not Damaged by
 Misconnection
- Improved Performance
 Precise Digital Adjustments
 Accurate Current Control
- Reduced Maintenance Built-in Diagnostics

SEVCON



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OUTLINE SPECIFICATION: SC 1400 SERIES

Model 1405	Model 1410
24-36v	. 24-36v
50 amps K	100 amps
25 amps	45 amps
15.7 khz	
1 Kg	
-30°C to +40°C	
-40°C to +90°C	
4G	
Designed to meet relevant U.L. and	
E.E.C. Directives	
	alring
	24-36v 50 amps × 25 amps 15.7 khz 1 Kg -30°C to +40°C -40°C to +90°C 4G Designed to meet

The SC 1400 range is available in either stand alone, "controller only" format or as a fully assembled panel complete with contactors, fuses and associated wiring.

• Acceleration delay

• Accelerator Input Type

• Current Limit

This product bulletin is an outline specification only. For specific application data, the full engineering specifications available from Sevcon should be used.

Sevcon is constantly striving to improve its products and reserves the right to alter specifications without notice.