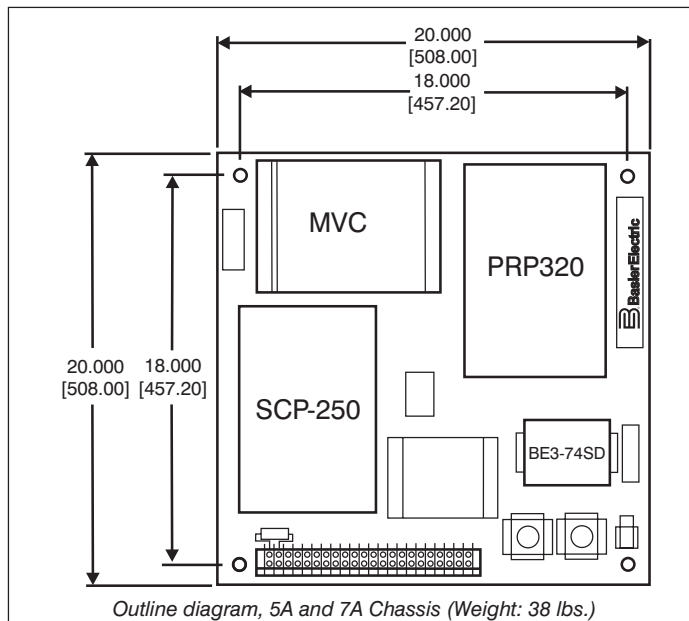
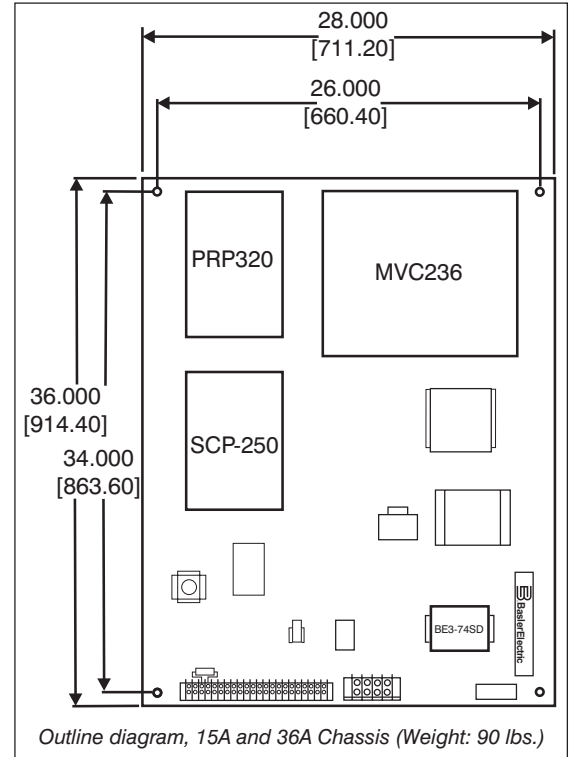


# SMC Synchronous Motor Controllers

Basic control functions for brushless synchronous motors

## Features and Functions

- **Prepackaged Chassis Systems**
  - SMC-5: P/N 9323500101 – to 5A, 125 VDC
  - SMC-7: P/N 9323500100 – to 7A, 125 VDC
  - SMC-15: P/N 9324000101 – to 15A, 125 VDC
  - SMC-36: P/N 9324000100 – to 36A, 125 VDC
  - 6 to 8 week availability
  - Factory wired and tested
- **SCR Controlled Bridge with SCP-250 Var/PF Controller**
  - Includes manual voltage control for startup, standby
  - Highly reliable time-proven components
  - Choose Var and PF control to optimize plant energy costs
- **Automatic startup controls**
  - AC power On/Off, with external enable
  - Incomplete Sequence Timer
  - Field Undercurrent Protection
  - Field Overcurrent Protection
  - PRP320 Motor Pullout Relay to verify startup, monitor operation
- **Shunt for customer-supplied Field Current Meter**
- **Provisions for customer-supplied Field Voltage Meter**
- **Easy interface with existing plant**
  - Pre-engineered pan chassis
  - Interconnect, outline drawings available



## "Shipped Loose" System Options

- RA-70 for remote set point adjustment
- EDM 200 Exciter Diode Monitor
- MPS-210 Motor Protection System
- Power Potential Transformer
- Field Current Ammeter
- Field Voltmeter
- Switches

**Basler Electric**

Route 143, Box 269 • Highland IL USA 62249  
Tel: 618/654-2341 • Fax: 618/654-2351  
www.basler.com • email: info@basler.com

# DECS-200 Based Synchronous Motor Panel

Versatile digital control for brushless synchronous motors

## Features and Functions

### ➤ Prepackaged Chassis System

- Basler P/N 9375600100
- Output to 15A at 125 VDC
- 6 to 8 week availability
- Factory wired and tested

### ➤ Based on DECS-200 Digital AVR\*

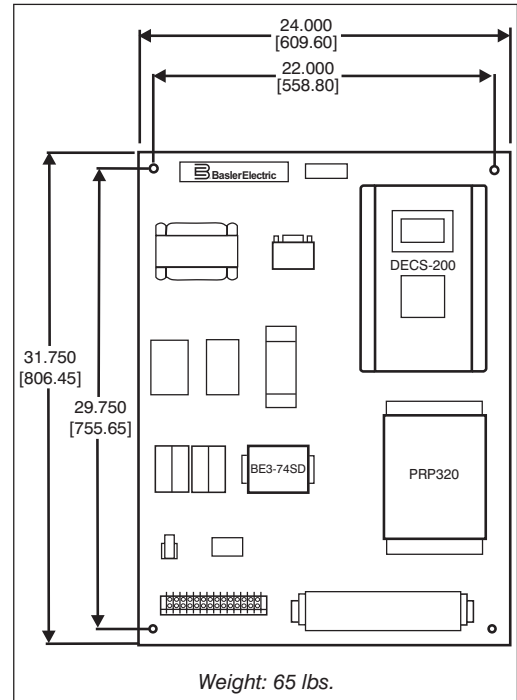
- Accurate:  $\pm 0.25\%$  regulation
- Reliable
- Flexible: 4 operating modes (AVR, Manual, Var, PF)
- Built-in protective functions: Field OV, Field OC, EDM, AC Undervoltage, AC Overvoltage
- Built-in Metering: LCD or PC
- Built-in Reference Adjuster
- Built-in Limiters: Overexcitation, Underexcitation, V/Hz
- Easy tuning/startup: BESTCOMS software

### ➤ Additional Controls/Protection

- PRP-320 Synchronous Motor Pullout Relay
- Incomplete Sequence Timer
- Independent Field Over/Undercurrent Relay
- Field Overcurrent Suppression

### ➤ Easy interface with existing plant

- AC Field Start/Stop Relay
- Auto/Manual Select
- Annunciation output contacts
- Shunt for customer's remote DC ammeter
- Provisions for customer's remote DC voltmeter
- Outline, interconnect drawings available



## "Shipped Loose" System Options

- RDP-300 Remote Display Panel
- Power Potential Transformer
- Field Ammeter
- Field Voltmeter

\* For detailed DECS-200 product specs, refer to bulletin.

Visit [www.basler.com](http://www.basler.com) to access and download product and application information.  
If you don't have Internet access, complete this form and fax it to 618/654-2351.

Name: \_\_\_\_\_

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City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

e-mail: \_\_\_\_\_

Do you plan to buy or specify Basler products?  Yes  No

Action:  Immediately  1-6 Months  6-12 Months

Please send information on the following:  MVC-236 Electronic MVC Module

DECS-200 Digital Excitation Control System  MVC-301 Electronic MVC

BE3-74SD Millivolt Sensing Alarm relay  PRP-320 Synch. Motor Pullout Relay

RDP-300 Remote Display Panel  Application Notes

Market Segment Classification (Please check one.)

- |   |   |
|---|---|
| <input type="checkbox"/> Electric Utility     | <input type="checkbox"/> Generator Manufacturer     |
| <input type="checkbox"/> Consulting Engineer  | <input type="checkbox"/> Contractor                 |
| <input type="checkbox"/> Government Agency    | <input type="checkbox"/> Industrial Firm            |
| <input type="checkbox"/> Switchgear Assembler | <input type="checkbox"/> Independent Power Producer |
| <input type="checkbox"/> Genset Manufacturer  | <input type="checkbox"/> Repair and Service Shop    |
| <input type="checkbox"/> Genset Assembler     | <input type="checkbox"/> Other                      |

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