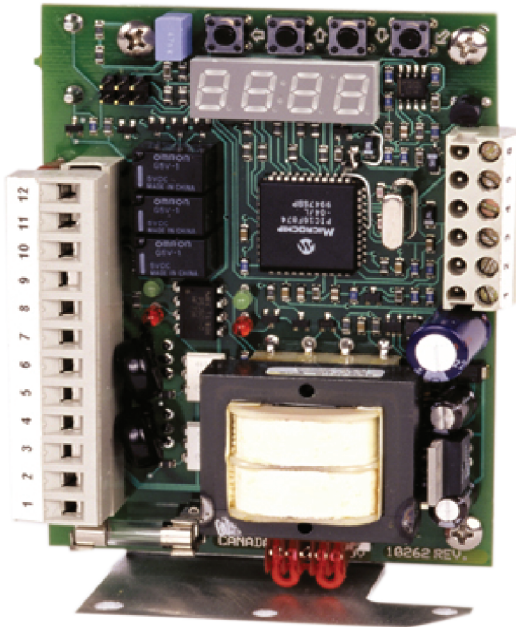


## EASC SCC – 10 Microprocessor Based Analog Controller



The Electric Actuator Smart Controller (EASC) card provides accurate positioning control of electric motor actuators using an analog input signal. Setup and calibration is greatly simplified using microprocessor technology. There are no DIP switches to set or trimming potentiometers to adjust. Setup is quick and easy using the EASC Menu viewed on an LED display. No external meters are required, even for potentiometer setup. Once the initial menu settings are chosen, the EASC performs a self-calibration routine, applying the menu selections to actual actuator performance. Calibration values are then stored in permanent nonvolatile memory.

### Features

- Mounts internally in:  
RCS actuator models: MAR-10, MAR-50, MAR-90, MAR-100, MAR-160, MAR-250, MAR-800 & all SurePowr models.  
Andco actuator models: Eagle, 7000, 8000, QR and QRG.
- Onboard LED display facilitates setup and calibration using the EASC Menu Setup.
- Menu selection of input/output ranges including 4-20 mA<sub>dc</sub>, 1-5 V<sub>dc</sub>, 2-10 V<sub>dc</sub> and 0-10 V<sub>dc</sub>, or virtually any custom range required.
- Automatic calibration: no resistors to add, no jumpers, trimming potentiometers or DIP switches to adjust. Calibration is as simple as pressing a button.
- Three relay outputs: fault, full closed and full open.
- Menu selectable fail options.
- Intelligent positioning reduces motor cycling, increases motor life and extends the actuator duty.
- Auto jog feature. Constantly corrects and refines the positioning accuracy.
- Quick disconnect terminal strips facilitate fast and easy actuator maintenance and troubleshooting.
- Always wires the same; no need to determine rotation direction during installation; rotation is selected using the EASC Menu.
- Robust power switching components, designed specifically for actuator motors, virtually eliminate field failures.

## Specifications

### Power Requirements

Model SCC10-115/230A: single phase, 115 or

230 Vac, 50/ 60 Hz. (Jumper selectable)

Model SCC10-24VAC: 4 Vac, 50/60 Hz.

Model SCC10-24VDC: 24 Vdc

### Input Command Signal

Menu selectable factory defaults:

- 4 – 20 mA DC
- 1 – 5 VDC
- 2 – 10 VDC
- 0 – 10 VDC

Infinite adjustment using EASC Menu System

### Output Command Signal

Menu selectable factory defaults:

- 4 – 20 mA DC
- 1 – 5 VDC
- 2 – 10 VDC
- 0 – 10 VDC

Infinite adjustment using EASC Menu System

### Signal Impedance

Input: 250Ω for current, 200KΩ for voltage

Output: maximum load 500Ω for current, 500KΩ for voltage

### Power Output

Solid state, isolated from the input command signal and rated at:

- 5 A continuous at 115 VAC
- 5 A continuous at 230 VAC
- 5 A continuous at 24 VAC
- 10 A continuous at 24 Vdc

All ratings assume the EASC is mounted on the actuator base plate.

### Sensitivity

Fully adjustable from 0.5% of total span, factory set to 1% of total span

### Dead Band

Automatically set during calibration. Factory default at 1% of total span. Additional settings available using the Eas-C Menu System.

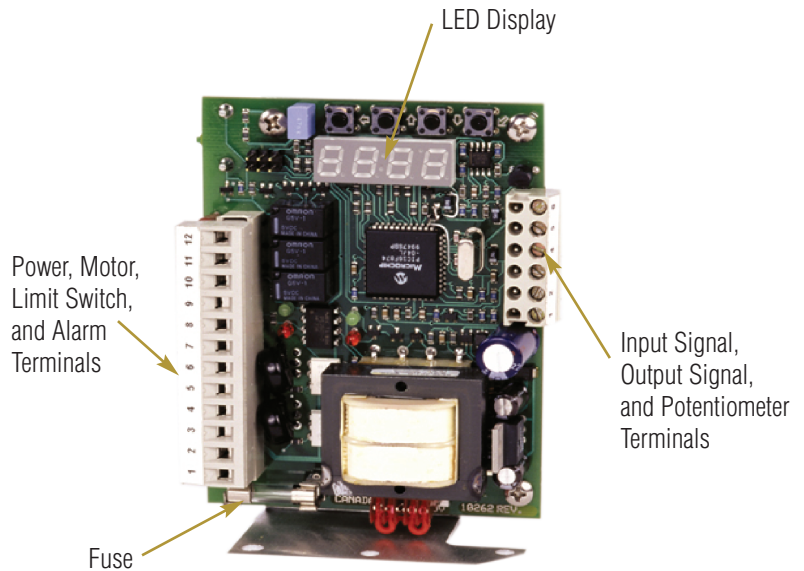
### Zero Span Adjustment

Automatically set during calibration

### Industrial Products Group Dresser, Inc.

16240 Port Northwest Drive  
Houston, Texas 77041-2645 USA  
Ph: 832.590.2306  
Toll Free Phone: 800.945.9898

Fax: 713.849.2879  
Email: rcs@dresser.com, andco@dresser.com



### Split Range

Settable within the span range using at least 1.5 Vdc or 3 mA DC of input

### Ambient Temperature

- 40° F (with heater) to +150° F (-40° to +65° C)

### Action on Loss of Command Signal

Factory default:

- Fail in last position (no movement)
- For a setting of ZERO input signal, the system fails to minimum signal position

Additional settings available through EASC Menu:

- Fail open (maximum signal value)
- Fail closed (minimum signal value)
- Fail to a preset position

### Relay Outputs

Three dry contact outputs:

- Fault indicating loss of power, fuse failed, command signal loss or failure to move to position in preset time
- End of travel open
- End of travel closed
- Contact Ratings for resistive load:  
1A @ 30Vdc, 0.5A @ 135Vac.

### Size

3.5 x 1.63 x 4 in.



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