

SDU-7000 SERIES

Stepper Motor Driven Regulators

The SDU-7000 Series offers an economical and practical method of controlling pressure or vacuum electronically. A stepper motor is interfaced with a modified 800 or 900 Series subminiature regulator. The 4104 and RV/S's can also be configured in this manner.



Applications:

This device can be used for applications where electronic control of a pneumatic system is desired.

Features:

Compact size and mountable at any angle.
 Low power consumption to adjust the output.
 No power needed to maintain the output setting.

SPECIFICATIONS

| | |
|-------------------------|---|
| WEIGHT: | 7.2 oz. (204 g) |
| DIMENSIONS: | See drawings below (900 Series regulator shown) |
| MOTOR TYPE: | 1.8° bi-polar stepper |
| RATED CURRENT: | 0.4 Amps |
| RATED VOLTAGE: | 24 VDC |
| MOTOR PART NUMBER: | 14HS10-0404S-C15 |
| TORQUE AND OTHER SPECS: | Ref: www.omc-stepperonline.com (PN: 14HS10-0404S) |
| VOLTAGE vs RPM's: | Typically lower voltage = Less RPMs for maximum torque (See torque chart at www.omc-stepperonline.com) |
| TOTAL NUMBER OF STEPS: | Typically 3,000+ over the output range |

ORDERING INFORMATION

Part Number: SDU-7000/Regulator - (For example: SDU-7000/R-900-30)

Options include:

Pressure - R-800, R-810, R-820, R-900, R-910, R-920 and R-4104 with output ranges from 1.5 to 30 Psi

Vacuum - V-800, V-900 and V-4104 with output ranges from 3 to 30" Hg

DIMENSIONS

