

# 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: <a href="http://www.omc-stepperonline.com">www.omc-stepperonline.com</a> (PN: 14HS10-0404S)
VOLTAGE vs RPM's:	Typically lower voltage = Less RPMs for maximum torque (See torque chart at <a href="http://www.omc-stepperonline.com">www.omc-stepperonline.com</a> )
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

