

SDU-6000 SERIES

Stepper Motor Driven Regulators

The SDU-6000 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 output setting.

SPECIFICATIONS

WEIGHT:	6.5 oz. (185 g)
DIMENSIONS:	See drawings below (800 Series regulator shown)
MOTOR TYPE:	7.5° bi-polar stepper
RATED CURRENT:	0.2 Amps
RATED VOLTAGE:	24 VDC
MOTOR PART NUMBER:	PM42L-075-020 (Lin Engineering)
TORQUE AND OTHER SPECS:	Reference www.linengineering.com
VOLTAGE vs RPM's:	Lower voltage = Less RPMs for maximum torque (See interactive torque charts on Lin Eng.'s website)
TOTAL NUMBER OF STEPS:	Typically 700+

ORDERING INFORMATION

Part Number SDU-6000/Regulator - (For example: SDU-6000/R-810-3.5)

Options include:

Pressure - R-800, R-810, R-820, R-900, R-910, R-920 and R-4104 with output ranges from 3.5 to 15 Psi

Vacuum - V-800, V-900 and V-4104 with output ranges from 10 to 30" Hg

DIMENSIONS

