

Orientalmotor

General Catalogue 2012/2013

A Stepping Motors

Page A-1

Stepping motors are used to achieve precise positioning via digital control. The motor operates by accurately synchronizing with the pulse signal output from the controller to the driver. Stepping motors, with their ability to produce high torque at a low speed while minimizing vibration, are ideal for applications requiring quick positioning over a short distance.

■ AC Power Supply Input Stepping Motor and Driver Packages

Stepping Motor and Driver Packages *αSTEP*
5-Phase Stepping Motor and Driver Packages

■ DC Power Supply Input Stepping Motor and Driver Packages

Stepping Motor and Driver Packages *αSTEP*
5-Phase Stepping Motor and Driver Packages
2-Phase Stepping Motor and Driver Packages

■ Stepping Motors (Motor Only)

5-Phase Stepping Motors
2-Phase Stepping Motors

■ Controllers

■ Accessories



B Servo Motors

Page B-1

Servo motors can be used to achieve high-speed, highly accurate positioning operation via digital control. They are constructed of three elements: the motor for generating torque, the encoder for detecting position, and the driver for controlling the motor with respect to commands. Position and speed control are carried out with a closed loop. Because high torque is obtained in the high speed range, applications for traveling long distances at high speed are possible.

■ Servo Motor and Driver Packages

■ Accessories



C Standard AC Motors

Page C-1

Standard AC motors operate by simply connecting a capacitor and supplying power from a commercial power supply. Standard AC motors include the basic induction motor and reversible motor. In addition, Oriental Motor offers electromagnetic brake motors, torque motors and watertight, dust-resistant motors to meet specific application requirements.

■ Constant Speed Motors

Induction Motors
Reversible Motors
Electromagnetic Brake Motors

■ Gearheads

Parallel Shaft Gearheads
Right-Angle Gearheads
(Hollow shaft · Solid shaft)

■ Torque Motors

■ Brake Pack

■ Watertight, Dust-Resistant Motors

■ Accessories



D Speed Control Motors

Page D-1

Speed Control Motors are ideal for applications that require the precise control of speed. Motors for speed control systems can be either highly efficient brushless motors or simple-to-use AC motors.

■ Brushless Motors

AC Power Supply Input/DC Power Supply Input

■ AC Speed Control Motors

■ Inverters

■ Accessories



E Motorized Actuators

Page E-1

A linear-motion product incorporating a motor and a linear-motion mechanism. Drawing on our expertise as a motor manufacturer, Oriental Motor offers a wide range of linear-motion products in various shapes and sizes, featuring different motor types, drive methods and power inputs. We assure the overall performance of each actuator and driver package.

■ Motorized Linear Slides

■ Motorized Cylinders

■ Compact Linear Actuators

■ Rack and Pinion Systems

■ Hollow Rotary Actuators

■ Accessories



F Cooling Fans

Page F-1

Oriental Motor offers a wide range of cooling fans, axial flow fans ideal for ventilation cooling, centrifugal blowers and cross flow fans for local cooling, as well as fans with low-speed or stall alarms, or variable flow type.

■ Axial Flow Fans

AC Power Supply Input/DC Power Supply Input

■ Centrifugal Blowers

AC Power Supply Input/DC Power Supply Input

■ Cross Flow Fans

AC Power Supply Input/DC Power Supply Input

■ Accessories

