# **Oriental motor**



#### **Hollow Rotary Actuators**

# **DGII** Series

**Horizontal Mounting** 

## **CSTEP AZ** Series Equipped

The **DG II** Series combines a hollow rotary table with a controller to create an integrated product that can be directly mounted to large inertia tables or arms. Time and cost associated with mechanism design, parts selection and assembly adjustment can be reduced. No sensor required with **AZ** Series technology.









DC Inpu

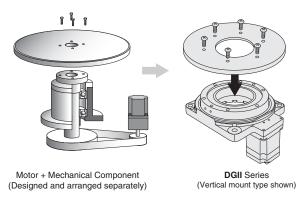


Horizontal Mounting Type

## **Simplified Design and Programming**

#### Houses Entire Rotary Motion

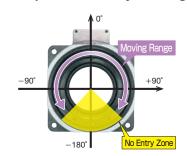
Number of components can be reduced



### High Positioning Accuracy

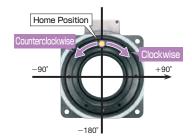
	Motor Vertical Mounting	Motor Horizontal Mounting
Backlash	Non-Backlash	6 arc minutes (0.1°)
Repetitive Positioning Accuracy	±15 arc seconds (±0.004°)	±30 arc seconds (±0.008°)

#### Simple Control by Setting No-Entry Zones



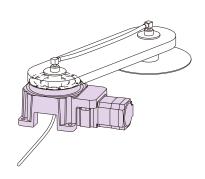
If there are obstructions on the equipment, it is possible to set a region on the output table that will be avoided

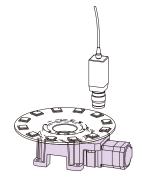
#### Reduce Time with Short-Cut Operations

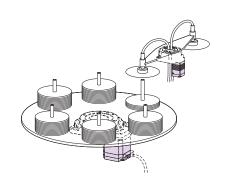


Example: When moving from the 0° position to 270° position, counterclockwise movement is automatically selected as the shortest rotation direction.

# **Applications Requiring High Performance and High Rigidity**







## Visit www.orientalmotor.com

For further information (specifications, dimensions, speed-torque characteristics)

### Vertical Mount Type



	Hollow Rotor Actuator			Driver Type	
Power Supply	Frame Size				
	60 mm	85 mm	130 mm	200 mm	
AC Input	-	•	•	•	Built-in Controller RS-485 Communication Pulse Input Pulse Input Network Compatible Driver* Network Compatible Multi-Axis Driver* EtherCATT EtherNet/IP
DC Input	•	•	•	_	

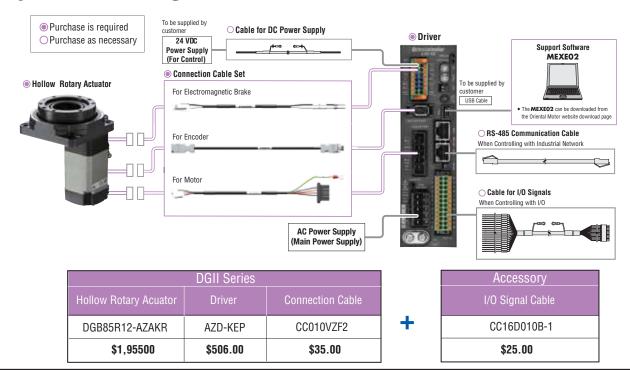
### Horizontal Mount Type



	Hollow Rotor Actuator			
Power Supply	Gear Ratio	Frame Size		Driver Type
		85 mm	130 mm	
AC Input	12	•	_	Built-in Controller RS-485 Communication Pulse Input Pulse Input Network Compatible Driver* Network Compatible Multi-Axis Driver *2 Ether (ATT) Ether Net/IP
	18	•	•	
	36	•	•	
DC Input	12	•	-	
	18	•	•	
	36	•	•	

\*1 AC input only \*2 DC input only

# **System Configuration**



#### **ORIENTAL MOTOR U.S.A. CORP.**

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