DAMPER & VALVE MOTOR ACTUATORS

Type EGK & WGK

5/1GlnoMIY/1

GENERAL DESCRIPTION

- Series GK motor actuator can provide On-Off, proportional or floating control of damper, valve or other controlling devices.
- Balancing relay without contact causes no burn-out.
- Type EGK is for damper.
 Type WGK is for valve.

TYPE NUMBER SELECTION (SPECIFICATIONS)

Power requirement: 24V.AC ±10%, 50/60Hz

Max. power consumption: 21VA (without spring return action)

24VA (with spring return action)

Input signal: resistance 0 to 135Ω

Current 4 to 20mA. DC

(Input Impedance 250Ω)

Voltage 1 to 5V. DC

(Input Impedance $100k\Omega$)



Torque: 12.2N·m {1.25 kg·m}

(without spring return action)

3.9N·m {0.4 kg·m}

(with spring return action)

Rotation angle: 90 to 270°

(without spring return action)

90 to 160°

(with spring return action) Delivery Setting 90°

Timing: 80 sec/160°

Ambient temp.: - 20 to 55°C

(without spring return action)

- 10 to 55°C

(with spring return action)

Weight: 4.3kg

(without spring return action)

6.1kg

(with spring return action)



Type EGK



Type WGK

Type: WGK

Thrust: 1220N {125 kgf}

(without spring return action)

390N {40 kgf}

(with spring return action)

Stroke: 14 to 50mm

(without spring return action)

14 to 30mm

(with spring return action)
Delivery Setting 20mm

Timing: 80 sec/stroke 25mm

Ambient temp.: - 20 to 55°C

(without spring return action)

— 10 to 55°C

(with spring return action)

Weight:

5kg

(without spring return action)

6.7kg

(with spring return action)

DAMPER MOTOR SELECTION

Drivin Entition of GELEGITOR									
Function	On-Off / Floating Control	Without Positioning Balance Relay	With Positioning Balance Relay	With Positioning Balance Relay					
Model	*1 On-Off / Floating	*2 On-Off Servo	*3 Resistance Input	*4 Current Input	Voltage Input				
Standard	EGK-N500A	EGK-N600 A/S	EGK-N700 A/S	EGK-N701 A/S	EGK-N702 A/S				
With Auxiliary Potentiometer	_	EGK-N610 A/S	EGK-N710 A/S	EGK-N711 A/S	EGK-N712 A/S				
With Auxiliary Switch	EGK-N520A	EGK-N620 A/S	EGK-N720 A/S	EGK-N721 A/S	EGK-N722 A/S				

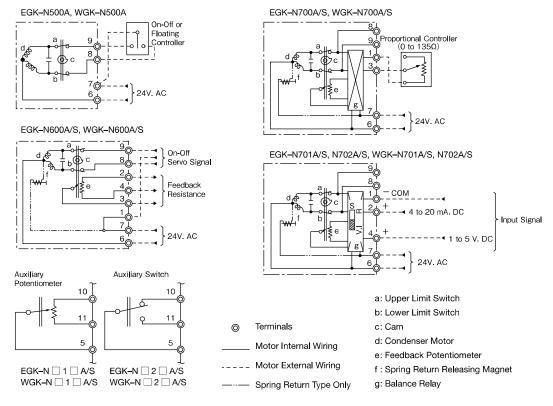
VALVE MOTOR SELECTION

Function	On-Off / Floating Control	Without Positioning Balance Relay	With Positioning Balance Relay	With Positioning Balance Relay					
	*1 On-Off / Floating	*2 On-Off Servo	*3 Resistance Input	*4 Current Input	Voltage Input				
Standard	WGK-N500A	WGK-N600 A/S	WGK-N700 A/S	WGK-N701 A/S	WGK-N702 A/S				
With Auxiliary Potentiometer	_	WGK-N610 A/S	WGK-N710 A/S	WGK-N711 A/S	WGK-N712 A/S				
With Auxiliary Switch	WGK-N520A	WGK-N620 A/S	WGK-N720 A/S	WGK-N721 A/S	WGK-N722 A/S				

- * 2. The motor actuates with proportional signal from electronic sensor (Example: Type RBE Control Unit).
- * 3. The motor actuates with the signal between 0 and 135Ω from electric sensor (Example: Type PWS Thermostat).
- * 4. Spring Return Type is so designed that actuator shaft returns to safe side on current failure.
- · Auxiliary potentiometer is to provide the signal between 0 and 135Ω in accordance with motor angular rotation for output.
- · Auxiliary switch provides the contact signal of S.P.D.T. for output.
- · Enclosure: IP62

INTERNAL WIRINGS

- Check power supply to be 24V. AC $\pm 10\%$.
- Wiring is to be based on the technical standard of electrical installation. Be assured to use covered copper wire larger than 1.2 mm dia.
- Terminal wiring should be conducted with flexible wire of adequate length to prevent wire disconnection from slight move of the motor.



DIMENSIONS

