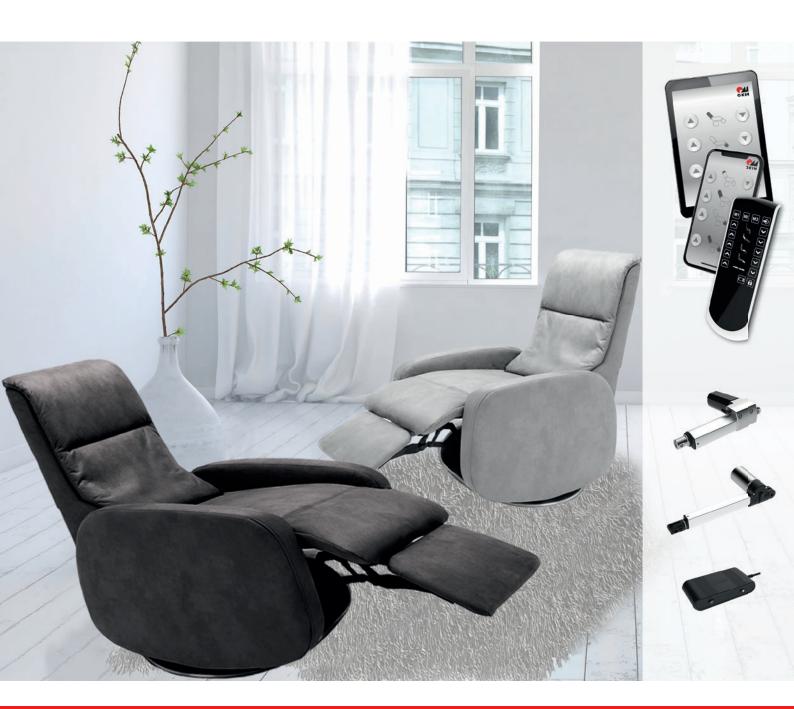
# SEATING SYSTEMS





- GLOBAL LEADER OF SEATING ACTUATOR SYSTEMS
- DESIGNED AND ENGINEERED IN GERMANY
- PRODUCTS MANUFACTURED IN EUROPE
- INNOVATIVE ACTUATORS, CONTROL UNITS AND ACCESSORIES

## **SYSTEM SOLUTIONS FOR SEATING APPLICATIONS**

foot sections are currently quite popular: Reclining motorized armchairs are being configured with more special features, such as Bluetooth or memory functionality, that provide real benefits for their Control units and control keypads: a wide users.

technology for motorized armchairs, with more than 20 years of experience in the seating industry. We not only manufacture components such as actuators, a massage function and two built-in actuators, control units and control keypads, but also design and implement tailor-made customized projects. In the joint planning phase, we custom- memory positions for OKIN actuators without Hall design the entire system and program the required functional sequences to match the customer's requirements. Our customers also benefit from our speedy delivery times and global sales network that transmissions. We have a wide selection of matching is able to help them with any service issues.

#### Compact actuators for adjustable armchairs

The elegant design of many modern adjustable armchairs leaves little room for electrical components. That is why OKIN actuators have a built-in Bluetooth so that the motorized armchairs very compact construction. With their minimal can be operated using mobile devices.

Adjustable armchairs with motorized back and installation dimensions, they enable a large lifting stroke even in confined spaces. The actuators television armchairs and other reclining seating operate with a pushing force of up to 6,000 N are expected to be very comfortable. Stand-up compressive force – thus, despite their compact chairs, which are particularly relevant for seniors, design, they are suitable for a wide range of have a motorized adjustable stand-up assistance applications and heavy-duty tasks. They also feature feature, which helps to promote mobility. Modern outstanding reliability and a gentle adjustment mechanism for the height, back or foot section.

### range of functions for adjustable armchairs

Intelligent control units are essential for OKIN is a specialist in actuator and system implementing customized motion profiles and extended functionality. The HE150 control unit is capable of connecting with up to four OKIN floor lights. The patented brush-sparking evaluation function makes it possible to save customized sensors. The built-in bi-directional 2.4 GHz radio control enables wireless operations for all functions thanks to our patented, interference-free wireless wireless hand-held transmitters for adjustable armchairs and many optional components (USB chargers, etc.).

The HE150 and many other OKIN control units have



1. Single actuators for seating applications



2. Chair Controls for all single actuators



3. Handsets wired and wireless for OKIN RF-control units



4. OKIN apps for mobile control



5. Controls units for seating applications



6. Power Supply



### **ALPHADRIVE 3**

#### FOR RECLINER CHAIRS

Load capacity (max.)

Motor voltage

Fitting dimensions (min.)

Adjustment speed (max., unloaded)

Stroke lenght (max.)

**Features** 

3,000 N

Maintenance-free 24 V DC motors

141 mm + stroke



## MICRODRIVE 2

#### FOR RECLINER CHAIRS

Load capacity (max.)

Motor voltage

Fitting dimensions (min.)

Adjustment speed (max., unloaded)

Stroke lenght (max.)

**Features** 

3,000 N

Maintenance-free 24 V DC motors

130 mm + stroke

35 mm/s

350 mm



### **ALPHADRIVE 5**

#### FOR LIFTER CHAIRS

Load capacity (max.)

Motor voltage

Fitting dimensions (min.)

Adjustment speed (max., unloaded)

Stroke lenght (max.)

**Features** 

6,000 N

Maintenance-free 24 V DC motors

130 mm + stroke

35 mm/s

Compact fitting dimensions High load capacity



### MICRODRIVE 3

#### FOR RECLINER CHAIRS

Load capacity (max.)

Motor voltage

Fitting dimensions (min.)

Adjustment speed (max., unloaded)

Stroke lenght (max.)

Features

4,000 N

Maintenance-free 24 V DC motors

350 mm



### **ECO BETADRIVE**

#### FOR RECLINER CHAIRS

Our OKIN Eco Betadrive provides chair manufacturers with a single actuator featuring very high adjustment speed of over 40 mm/sec. This enables users of motor-adjustable armchairs to comfortably reach their desired sitting position as quickly as possible. Manufacturers of comfort armchairs also benefit from the low weight of the single actuator, which reduces the overall weight of their end products, making installation much easier. Another special feature of the Eco Betadrive is its ability to connect directly to different control keypads, so there is no need for a controller.

Load capacity (max.)

Motor voltage

Maintenance-free 24 V DC motors

Fitting dimensions (min.)

156 mm

Adjustment speed (max., unloaded) 44 mm/s

Stroke lenght (max.)

500 mm

**Features** 

- High-adjustment speedLow weight



### **HANDSETS – WIRED**

#### FOR ALL SEATING ACTUATORS

Tried and tested easy-to-use handsets with a wired connection. OKIN wired handsets have a robust housing and are designed for high reliability and precise inputs. Equipped with a reset function, the opline handsets can be used for controlling both movements at the same time. Furthermore, both handsets are equipped with a hook on the back side.



**Control Unit** 

Direct control

Color

Black

**Buttons** 

2 - 6

No. of actuators

For 1 or 2 actuators incl. reset function

Protection type

### **CHAIR CONTROLS**

#### FOR ALL SEATING ACTUATORS

Elegant built-in controls for seating applications: The rounded corners of the screwless housings give the OKIN controls a premium look that adapts to the design of the furniture. Thanks to the stable processing of the housings, high reliability and quality is ensured. Due to their compact design, the controls are space-saving and can be used flexibly. The built-in controls also feature a USB charger that can be used to conveniently charge connected devices such as smartphones or tablets.









### **HANDSETS – WIRELESS**

#### COMPATIBLE WITH OKIN RF RECEIVERS

OKIN RF handsets stand out in particular for their elegant design: The screwless housing is appealing and flat, ensuring an optimal handling at all times. Thanks to their responsive buttons and high value housing surfaces, the handsets are ideal for seating applications. Equipped with the OKIN bi-directional 2.4 GHz radio control, the input of commands is always accurate and reliable.







RF Eco+

RF Eco

**RF Touch** 

Connection

RF technology 2.4 GHz Bidirectional

Protection type

IP20

Compatibility

Combinable with all OKIN seating systems

Option

Customizable buttons
Customer-specific printings

Certification

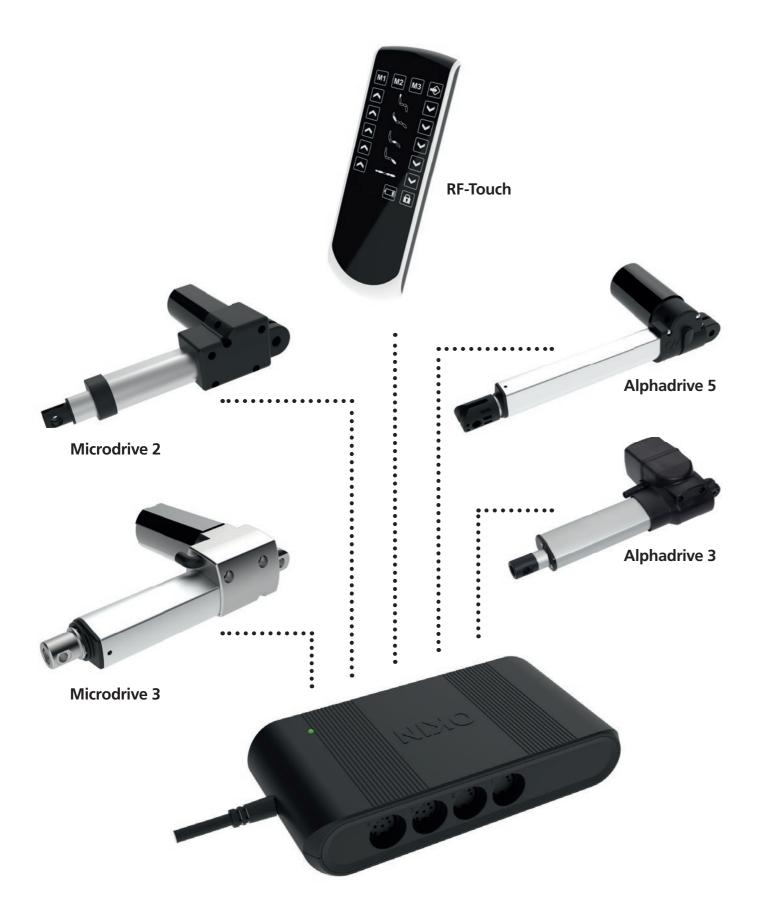
RED

### SYSTEM EXAMPLE MODULAR

**CU165 WITH SINGLE ACTUATORS** 

### **OKIN-APPS**

MOBILE CONTROL



Comfortable operation of adjustable recliner chairs via smartphone or tablet. OKIN apps are designed to work in perfect sync with seating applications. They are easy to install and use. Our apps reflect more functions compared to the RF handset and offer a new way of operation. OKIN offers standard iOS and Android Apps as well as customized versions for individual requirements.







### CU155+

#### **CONTROL UNIT**

Connection

Integrated 2.4 GHz RF receiver Bidirectional, interference-free Integrated Bluetooth® receiver

No. of actuators

Up to 4 actuators

**Mounting options** 

Mounting plate

Safety

Overload current switch-off

Connecting cable

Attached supply cable

**Features** 

- Can be combined with OKIN Powerpack
- Can be combined with all OKIN wireless handsets (2.4 GHz bidirectional)

### **CU165**

### **CONTROL UNIT**

Connection

Integrated 2.4 GHz RF receiver Bidirectional, interference-free Integrated Bluetooth® receiver

No. of actuators

Up to 4 actuators (with hall sensors and PWM-control)

**Mounting options** 

Mounting plate

Safety

Overload current switch-off

**Connecting cable** 

Attached supply cable

Features

- Customized programming
- Can be combined with OKIN Powerpack
- Can be combined with all OKIN wireless handsets (2.4 GHz bidirectional)



### **ACCESSORIES**

#### **EXTERNAL POWER SUPPLY**

The external OKIN power supplies PD21 and PD22 combine space-saving design with high performance. They can be combined with all OKIN actuators and are therefore ideal for a wide range of seating applications. Thanks to the electronic switching power supply technology (SMPS), the external power supplies have a higher efficiency, are lighter and more compact. The external power supplies provide a constant output voltage independent of the input voltage. They also features very low standby power consumption, complies with energy efficiency class VI and comply with the Ecodesign Directive 2009/125/EC.



Control

SMPS

**Power supply** 

Wide input voltage range 100-240 V/AC

Output voltage

29 V DC constant voltage output

Connecting cable

Pluggable

Indicators

LED operating status indication (green)

Safety

- NTC temperature sensor
  - Primary fuse
  - Overload protection
  - Overcurrent switch-off
  - Short-circuit-proof output

### **BATTERY POWER PACK 1800**

#### FOR ALL OKIN CONTROL UNITS

The compact PP1800 with an internal charging board enables the mainsindependent power supply for electrically adjustable seating furniture. The Li-lon rechargeable battery also allows OKIN actuator systems to be charged and operated simultaneously. An LED charge status indicator and an acoustic warning signal for low residual charge provide reliable information on the status of the power pack. In addition, the PP1800 has numerous safety features such as electronic overload cut-off and deep discharge protection.



**Output voltage** 

29 V DC

**Battery type** 

Lithium-ion

Capacity

1800 mAh

**Housing color** 

Black RAL 9005

**Protection type** 

IP20

Safety

- Overheating protection
- Overload protection
- Overcurrent disconnection
- Short-circuit proof
- Deep discharge protection



## **DEWERTOKIN** TECHNOLOGY GROUP CO., LTD



DewertOkin Technology Group Co., Ltd is located at Wang JiangJing Economic zone, JiaXing Zhejiang, China, which is an active area for business in the Yangtze River Delta. We maintain the brands OKIN and Dewert for the linear drives. They are widely used in smart furniture (such as motion upholstery, massage chairs, theatre seating, recliners and adjustable beds), medical applications (such as medical and nursing beds) and adjustable office desk control systems. We are a main partner for several major furniture factories. Our goal is to provide complete



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