



**DEWERT**

A DewertOkin Technology Brand

Powered by **DEWERT**



# INNOVATION SOLUTIONS

for Drive & System Technology

**CARE | HOSPITAL**

# DEWERTOKIN TECHNOLOGY GROUP

DewertOkin Technology Group Ltd. is a subsidiary of Phoenix Meccano Group in Switzerland. Its two brands, Dewert and OKIN, are originated in North Rhine-Westphalia, Germany, counting over 40 years of history. With 5 production bases in Asia-Pacific and Europe, and a total of nearly 3,000 employees, DewertOkin provides integrated hardware and software solutions for Smart Home, Smart Healthcare, Smart Office and other scenarios.

- Smart Manufacturing
- Production Real-time Traceability
- Global Supply Chain
- Fast Delivery Guarantee



## ONE-STOP SOLUTION FOR SMART FURNITURE & HOSPITAL BEDS

Under the brand OKIN you can find a wide range of products for smart furniture (such as motion upholstery, massage chairs, theatre seating, recliners and adjustable beds) and adjustable office desk and chair systems. Whereas the brand DEWERT offers high performance products for medical applications (such as medical and nursing beds).

The first in the industry to propose a One-stop Smart Solution concept, our company serves over 1/5 of the world's smart furniture manufacturers and is the preferred supplier of many world-class brands. With a presence in over 28 countries and regions around the world, DewertOkin is a true industry leader.

Over 40 years focusing on the development and innovation of One-stop Smart Solutions.  
5 innovative R&D centers around the world with post-doctoral workstations as the core.  
Over 1,500 patents, including more than 900 patents for inventions.



- All Dewert products meet the European requirements for registration and prevention of chemical substances such as REACH and RoHS.
- Dewert products meet all of the applicable normative and regulative requirements in their areas of application, such as the series of standards for medical electrical equipment (60601-1, 60601-2-52) as well as compliance with electromagnetic compatibility (EMC). The highest standards are met in compliance with TÜV and UL.
- Sustainability has always been a priority for DewertOkin. In keeping with our dedication and ongoing efforts to have green factories and products while fostering a healthier and greener working environment, our Industrial Park complies with the requirements of ISO 45001, ISO 14001, and ISO 50001 certifications.
- Approved by authoritative certification institutions.





NOISELESS

POWERFUL

STABLE

### Megamat 2



**VERSATILE SINGLE DRIVE FOR NURSING BEDS**  
The MEGAMAT 2 with its compact and stable construction is impressive. The versatile single drive features not only an optimum price-performance ratio, but also many configuration options. Thanks to its characteristics, the MEGAMAT 2 is ideal for beds in nursing facilities and clinics.

<b>Connectivity:</b> CARE
<b>Max load:</b> max. 6000 N push, max. 3000 N pull
<b>Installation size:</b> min. 163 mm + stroke (max stroke 425mm)
<b>IP protection:</b> IPX6
<b>Installation mode:</b> 0°, 90°
<b>Feedback:</b> Limit switches, Hall sensors
<b>Options:</b> ER emergency release, GQR quick release, safety limit switch, safety spindle nut

### Megamat 4



**SMOOTH-RUNNING AND POWERFUL**  
The advantages of the MEGAMAT 4 include its high level of performance, its compact and stable construction and its distinct smooth operation. Thanks to its many configuration options, the MEGAMAT 4 is ideal for adapting to your individual requirements.

<b>Connectivity:</b> CARE
<b>Max load:</b> max. 6000 N push, max. 4000 N pull
<b>Installation size:</b> min. 190 mm + stroke (max stroke 500mm)
<b>IP protection:</b> IPX4
<b>Installation mode:</b> 0°, 90°
<b>Feedback:</b> Limit switches, Hall sensors
<b>Options:</b> GQR quick release, safety limit switch, safety spindle nut

### Megamat 5



**POWER AND FLEXIBILITY FOR PATIENT LIFTERS**  
MEGAMAT 5 users benefit from the high push and pull force of the drive. Advantages of the MEGAMAT 5 include its compact and stable construction and the optimum price-performance ratio. Thanks to its characteristics, the drive is especially well-suited for lifter applications.

<b>Connectivity:</b> CARE
<b>Max load:</b> max. 8000 N push, max. 3000 N pull
<b>Installation size:</b> min. 163 mm + stroke (max stroke 425mm@6000 N, 300mm@8000N)
<b>IP protection:</b> IPX6
<b>Installation mode:</b> 0°, 90°
<b>Feedback:</b> Limit switches, Hall sensors
<b>Options:</b> GQR quick release, LR lifter release, safety limit switch, safety spindle nut

### Megamat 20



**NEW GENERATION OF SINGLE DRIVES WITH INTEGRATED CONTROL UNIT**  
Perfect for all medical applications: the MEGAMAT 20. Hospital beds, treatment tables, nursing beds and many other medical applications can be reliably adjusted using our robust single drive.

<b>Connectivity:</b> CARE (retro-fit) or Powerbus
<b>Max load:</b> max. 8000 N push, max. 4000 N pull
<b>Installation size:</b> min. 167 mm + stroke (33-600mm)
<b>IP protection:</b> IP67
<b>Installation mode:</b> 0°, 90°
<b>Feedback:</b> Optical sensors
<b>Options:</b> EQR, ER, LR lifter release, safety limit switch, CARE retro-fit and digital Powerbus version available
<b>Special features:</b> Thermal fuse, overcurrent cut-off, first failure line, button enable line, push only

### Megamat XS



**THE SMALL POWERHOUSE**  
Thanks to its versatility and the particularly small motor housing, it is ideal for use in home care beds with front motors and as a slave drive.

<b>Connectivity:</b> CARE
<b>Max load:</b> max. 3000 N push, max. 3000 N pull
<b>Installation size:</b> min. 150 mm + stroke (20-400mm)
<b>Noise without load:</b> <60dB(A)
<b>IP protection:</b> IPX6
<b>Installation mode:</b> 0°, 45°, 90°
<b>Feedback:</b> Limit switches, Hall sensors
<b>Options:</b> Safety limit switch, safety spindle nut

### Megamat FBR



**DESIGN COMBINED WITH EFFECTIVENESS**  
The MEGAMAT FBR rotation drive stands out thanks to its elegant design and effectiveness. Its advantages also include a compact and stable construction, an attractive price-performance ratio and a high torque.

<b>Connectivity:</b> CARE
<b>Max load:</b> max. 6 Nm CW/CCW, applied via hexagonal steel shaft SW 10 acc. to DIN EN 10278
<b>Installation size:</b> LxVxH: 208mm x 83.5mm x 90mm
<b>IP protection:</b> IPX4
<b>Installation mode:</b> 0°, 90°



# DOUBLE DRIVES

Dewert’s drive and system solutions can be used in a wide variety of medical applications.



## Duomat 8

**VERSATILE DOUBLE DRIVE FOR NURSING AND HOSPITAL BEDS**  
The double drive is equipped with SMPS and plug-in power cord, enabling the device for global use. The housing not only has a modern design, but also delivers increased mechanical stability.

Connectivity:	CARE
Max load:	max. 2x 4500 N, push only
Installation size:	Installation length: 714 mm Component height: 119 mm Axis distance: 581 mm (+/- 3 mm) Axis diameter: 25 mm
IP protection:	IPX4
Connectors:	2x additional drives 1x rechargeable battery 1x handset 1x nurse panel
Feedback:	Limit switches, Hall sensors
Options:	Axis diameter 34mm, Furnibus, 9V battery or rechargeable battery for emergency lowering, floor lighting system
Special features:	Single-fault protected

## Double Drives

### Duomat 9



**POWERFUL DRIVE SOLUTION FOR NURSING BEDS AND HOSPITAL BEDS**  
Robust and reliable: our double drive Dewert DUOMAT 9 is specially designed for use in nursing beds and hospital beds – for both domestic and institutional use. Integrated SMPS.

Connectivity:	CARE or Token bus
Max load:	max. 2x 6000 N, push only / max. 2x 4500 N with quick release, push only
Installation size:	Installation length: 733 mm, Component height: 131 mm, Axis distance: 581 mm (+/- 3 mm), Axis diameter: 25 mm
IP protection:	IPX4
Connectors:	2x additional drives, 1x rechargeable battery, 1x handset, 1x nurse panel, 1x 24V switchable output (option) 3x Token bus connector (option)
Feedback:	Limit switches, Hall sensors
Options:	Axis diameter 34mm, Token bus, rechargeable battery for independent operation, internal charging circuit, floor lighting system, quick release head/foot, programmable from outside
Special features:	Single-fault protected

### Duomat 20



**NEW GENERATION OF DOUBLE DRIVES WITH INTEGRATED CONTROL UNIT**  
Perfect for all hospital and nursing beds: the Duomat 20. Hospital beds and nursing beds can be reliably adjusted using our robust double drive. The Duomat 20 is particularly powerful thanks to its push force of up to 2x 8,000 Newton.

Connectivity:	Powerbus
Max load:	max. 2x 8000 N, push only / max. 2x 4000 N with quick release, push only
Installation size:	Installation length: 720 mm, Component height: 180 mm, Axis distance: 581 mm (+/- 3 mm), Axis diameter: 25 mm
Noise without load:	≤55 dB(A)
IP protection:	IP67
Feedback:	Optical sensors
Options:	Quick release head/foot, programmable from outside
Special features:	Single-fault protected

# CONTROL UNITS

Better Components, Better Care



RELIABLE



SAFE

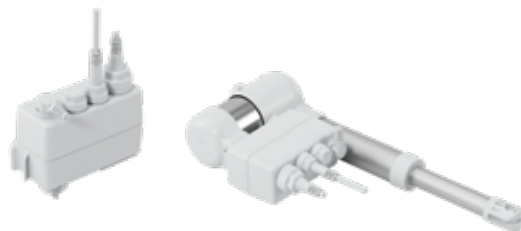


COMFORTABLE



WORLDWIDE

## CU20



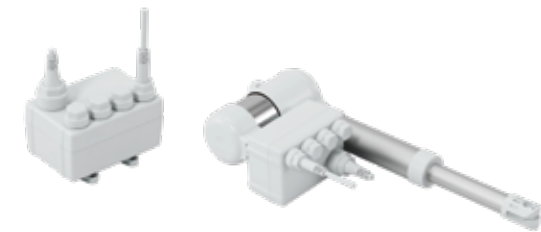
### SPACE-SAVING CONTROL UNIT WITH SINGLE-FAULT PROTECTION

Up to four analogue drives and one handset can be connected to the CU20 control unit. Up to three drives can be connected when using an optional integrated SMPS. This very compact control unit from Dewert can be mounted directly on the Megamat 20 single drive or separately in the system. Due to its excellent price-performance ratio and versatility, the CU20 is perfectly suited for demanding applications in the medical sector.

<b>Connectivity:</b>	CARE
<b>IP protection:</b>	IP67
<b>Connectors:</b>	Up to 4 analog actuators (3 with integrated SMPS), 1 handset
<b>Power supply:</b>	Without SMPS: 29VDC / With SMPS: 100-240VAC
<b>Options:</b>	Integrated SMPS, mountable on Megamat 20
<b>Special features:</b>	Single-fault protected

## MC20

## Control Units



### CONNECTIVITY AND MANY CONFIGURATION OPTIONS FOR MEDICAL SYSTEMS

The MC20 single-fault protected distributor contains all the requirements and features needed for optimum configuration of a functional nursing or hospital bed. This distribution unit can either be mounted directly on the Megamat 20 single drive or attached separately to the bed system.

<b>Connectivity:</b>	Powerbus
<b>IP protection:</b>	IP66
<b>Connectors:</b>	8+1 bus components (4+1 with integrated SMPS)
<b>Power supply:</b>	Without SMPS: 29VDC / With SMPS: 100-240VAC
<b>Options:</b>	Integrated SMPS, mountable on Megamat 20 or adaptor plate
<b>Special features:</b>	Single-fault protected

## MC21



### WIDE RANGE OF CONNECTION OPTIONS FOR APPLICATIONS IN THE MEDICAL SECTOR

Dewert's MC21 distributor unit can either be mounted directly on the Megamat 20 single drive within a system or separately. The single-fault protected distributor can be used to complete bed systems for the hospital or care facility; it enables a wide range of compatible accessories.

<b>Connectivity:</b>	Powerbus
<b>IP protection:</b>	IP66
<b>Connectors:</b>	6x8-pole connectors + 1 bus connector with integrated SMPS, Pig tail for external battery pack
<b>Power supply:</b>	Internal SMPS: 100-240VAC
<b>Options:</b>	Mountable on Megamat 20 or adaptor plate, extension by additional hub possible
<b>Special features:</b>	Single-fault protected

MCL II

Control Units



RELIABLE AND VERSATILE WITH INTEGRATED SMPS  
Control unit for max. 4 drives, with integrated SMPS. Designed for direct fitting to MEGAMAT 2 and MEGAMAT 5. Single-fault protection.

Connectivity:	CARE
IP protection:	IPX6
Connectors:	Up to 4 drives, up to 2 operating elements
Power supply:	100-240VAC
Options:	Rechargeable battery connection for emergency operation, power outlet (29 VDC) for e.g. external light systems, synchronous control, Token Bus
Special features:	Single-fault protected

MCL III

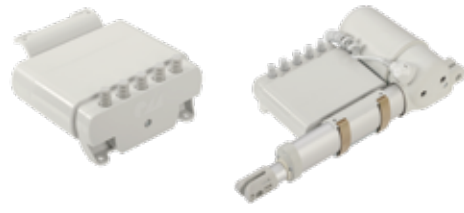


THE OPTIMUM CONTROLLER FOR THE LOW NURSING BED  
The Dewert MCL III controller is a compact, space-optimized controller for up to four drives. Thanks to the flat and particularly space-saving design, the controller is ideally suited for space-critical applications, i.e. for attachment on a low nursing bed and low floor bed.

Connectivity:	CARE and Token Bus
IP protection:	IPX6
Connectors:	Up to 4 drives, up to 2 operating elements, 1 external power supply
Power supply:	29VDC (by external wide-range SMPS)
Options:	External SMPS with 100W or 160W, rechargeable battery connection for emergency operation, synchronous control
Special features:	Single-fault protected

ECS

Control Units



ECS – THE COMPACT CONTROL UNIT IDEAL FOR SMALL INSTALLATION SPACES  
ECS (Easy Care System) control unit for a maximum of 4 drives, with external SMPS, designed for direct installation on Megamat 2 or Megamat 2 easy.

Connectivity:	CARE
IP protection:	IPX4
Connectors:	Up to 4 drives, 1 operating element, 1 external power supply
Power supply:	29VDC (by external wide-range SMPS)
Options:	External SMPS with 100W or 160W, emergency lowering by 2x 9V batteries, mountable on Megamat 2 or Megamat 2 easy
Special features:	Single-fault protected

CU155

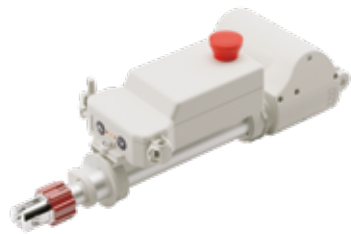


COMPACT CONTROLLER MAKES INSTALLATION SIMPLE  
CU155 is the ideal controller in space-critical applications. Because of its compact design, it only requires little space and offers the greatest possible flexibility for positioning the controller. Special applications with a slim and flat design take benefit from the use of this space-saving controller.

Connectivity:	CARE
IP protection:	IPX6
Connectors:	Up to 4 drives, 1 operating element, 1 external power supply
Power supply:	29VDC (by external wide-range SMPS)
Options:	External SMPS with 100W or 160W
Special features:	Single-fault protected

Accucontrol ECO 2.5

Control Units



**SMALL, EFFICIENT AND USER-FRIENDLY CONTROL FOR MOBILE APPLICATIONS**  
Low-cost and space-optimized control for patient hoists/lifts with integrated 2.5Ah Lithium-Ion battery, push buttons for lift actuator and emergency-stop switch. Expandable with spreader actuator and external handset. Possibility to swivel the control unit through 180° when mounted on an actuator.

Connectivity:	CARE
IP protection:	IP54
Connectors:	1 lift actuator, 1 port for optional equipment (1 charger or 1 external handset and 1 charger or 1 extension box for 2nd motor and 1 handset and 1 charger)
Power supply:	25.2VDC (by internal battery)
Options:	External handset, charger, extension box for 2nd actuator / external handset, mountable on Megamat 5 LR or DA29 LR, configurable and updatable from outside, e-paper display
Special features:	Single-fault protected, soft-start and soft-stop, overload/overcurrent detection, battery protection against deep-discharge and overcharge

Accucontrol 3.0



**THE RELIABLE LIFTER CONTROL SYSTEM**  
Single-fault protection and independent of the mains power supply: The ACCUCONTROL 3.0 is ideal for mobile applications; it can be conveniently charged using a mains power cord if needed. Equipped with internal push buttons for the lift actuator, an emergency lowering function and an emergency-stop switch, this control system meets high safety requirements because it can react quickly and reliably during emergency situations.

Connectivity:	CARE
IP protection:	IPX4
Connectors:	1 lift actuator, 1 spreader actuator, 1 external handset (option), 1 mains cable
Power supply:	24VDC (by internal 4.5Ah lead-gel battery), 100-240VAC (charging with mains power and internal charger)
Options:	External handset
Special features:	Single-fault protected, soft-start and soft-stop, overload/overcurrent detection, battery protection against deep-discharge

Accucontrol 3.9

Control Units



**LITHIUM-ION TECHNOLOGY FOR MOBILE APPLICATIONS**  
Battery-powered control unit and power supply for mobile applications. Single-fault protection. The ACCUCONTROL 3.9 rechargeable 3.9Ah Lithium-Ion battery can be charged directly in the system by means of an internal charger or battery can be exchanged and charged seperately.

Connectivity:	CARE
IP protection:	IPX4
Connectors:	1 lift actuator, 1 spreader actuator, 1 handset, AC version: 1 mains cable (internal charger)
Power supply:	25,2VDC (internal 3.9Ah Lithium-Ion battery), 100-240VAC (mains power)
Options:	External charger
Special features:	Single-fault protected, soft-start and soft-stop, overload/overcurrent detection, battery protection against deep-discharge and overcharge

Accucontrol 4.5



**OUTSTANDING RELIABILITY FOR INCREASED SAFETY**  
Battery-powered control unit and power supply for mobile applications. Single-fault protection. The ACCUCONTROL 4.5 DC's rechargeable 4.5Ah lead-gel battery can be charged directly in the system by means of an external charger or battery can be exchanged and charged seperately.

Connectivity:	CARE
IP protection:	IPX4
Connectors:	1 lift actuator, 1 spreader actuator, 1 handset, AC version: 1 mains cable (internal charger) or DC Version: 1 external charger (via adaptor cable on handset port)
Power supply:	24VDC (internal 4.5Ah lead-gel battery), 100-240VAC (AC version: mains power, DC version: external charger)
Options:	AC or DC version
Special features:	Single-fault protected, soft-start and soft-stop, overload/overcurrent detection, battery protection against deep-discharge



DC 22

Lifting Columns



POWERFUL DRIVE SOLUTION FOR HOSPITAL AND CARE BEDS  
Versatile square 3-stage heavy-duty lifting column with a low noise level during operation. Ideal for ICU beds and high off-center load applications.

Connectivity:	Powerbus
Max load:	max. 4000 N, push/pull (6000N available soon)
Installation size:	L x W x H: 175mm x 140 mm x 274mm, Installation length: 150mm +stroke/2, Stroke: 250mm-700mm
Noise without load:	≤55 dB(A)
IP protection:	IP67
Feedback:	Optical sensors
Options:	Possible cable outlets: 3x top, 3x bottom

DC 23



STYLISH DRIVE SOLUTION FOR HOSPITAL AND CARE BEDS  
Versatile round 3-stage lifting column with a low noise level during operation. Ideal for hospital and care beds.

Connectivity:	Powerbus
Max load:	max. 4000 N, push/pull
Installation size:	Installation length: 333mm, Stroke: 380mm
Noise without load:	≤55 dB(A)
IP protection:	IP67
Feedback:	Optical sensors
Options:	Possible cable outlets: top, bottom



# INTELLIGENT SYSTEMS

## Every movement needs an impulse.

The needs-based care of patients requires power and concentration. Intelligent systems from Dewert make it easier to work in nursing facilities and can be individually adapted to the requirements of the situation.



## IPROXX 2 Lifter



**SINGLE-FAULT PROTECTED HANDSET IN A SLIM DESIGN**  
The current generation of the single-fault protected handset for patient hoists/lifts has an especially elegant and slim design. The smooth surface of the IPROXX 2 Lifter also makes it easy to clean. IPROXX 2 Lifter is suitable for maximum two drives and is exclusively available in a set with the ACCUCONTROL ECO 2.5, 3.0 or 4.5 units. A combined power-on/charge level indicator always keeps you informed of the charge state of the handset.

<b>Connectivity:</b> Accucontrol series
<b>IP protection:</b> IPX6
<b>Buttons:</b> 2 for lift actuator, 2 for spreader actuator (only 2 motor version)
<b>Indicators:</b> 1
<b>Options:</b> Customizable foil
<b>Special features:</b> Single-fault protected

## IPROXX Display



**INTUITIVE HANDSET FOR NURSING BEDS**  
The single-fault protected Dewert IPROXX Display handset offers patients and nursing staff not only robustness and versatility, but also a sleek, elegant design. Thanks to the fully integrated LCD display, operation is extremely intuitive and user-friendly.

<b>Connectivity:</b> Microcontroller control boxes
<b>IP protection:</b> IPX4
<b>Buttons:</b> max 9 buttons (for max 4 motors)
<b>Indicators:</b> 2, 2.5" LCD display
<b>Options:</b> Customizable foil, integrated mechanical or programmable multi-level locking function, IPX6
<b>Special features:</b> Single-fault protected

## IPROXX 20



**VERSATILE HANDSET FOR HOSPITAL AND CARE BEDS**  
The IPROXX 20 single-fault protected handset belongs to Dewert's generation of intelligent components that have an integrated control unit. This means that the entire system for a hospital or care bed is digitally networked and is capable of data communication and data evaluation.

<b>Connectivity:</b> Powerbus MC20 and MC21
<b>IP protection:</b> IP67
<b>Buttons:</b> max 17 buttons
<b>Indicators:</b> max 17 under buttons, max 3 for function, charging and care LED
<b>Options:</b> Customizable foil, integrated NFC multi-level locking function
<b>Special features:</b> Single-fault protected

## IPROXX AC 20



**VERSATILE NURSE PANEL FOR HOSPITAL AND CARE BEDS**  
The IPROXX AC 20 single-fault protected nurse panel belongs to Dewert's generation of intelligent components that have an integrated control unit. This means that the entire system for a hospital or care bed is digitally networked and is capable of data communication and data evaluation.

<b>Connectivity:</b> Powerbus MC20 and MC21
<b>IP protection:</b> IP67
<b>Buttons:</b> max 28 buttons
<b>Indicators:</b> max 28 under buttons, max 3 for function, charging and care LED
<b>Options:</b> Customizable foil, integrated NFC multi-level locking function
<b>Special features:</b> Single-fault protected

## Handsets / Nurse Panels

## Foot switch



**WHEN HANDS ALREADY HAVE TOO MUCH TO DO**  
The ergonomic Dewert foot switch is ideal for adjusting nursing and hospital beds with your feet. The operating element consists of a slate-grey housing and two black pedals with a non-slip and easy to clean surface. Users also benefit from the very robust and durable construction of the foot switch.

<b>Connectivity:</b> CARE
<b>IP protection:</b> IPX6
<b>Buttons:</b> 2-4 pedals depending on model
<b>Indicators:</b> 1-2 function LEDs depending on model

## FS 20



**THE SIMPLE AND SAFE OPERATING METHOD**  
With Dewert's ergonomic single-fault-protected FS20, nursing staff and patients can adjust their nursing and hospital beds easily and comfortably using their feet. This product features a minimalist look, a sleek grey housing, and outstanding stability. The foot switch has two pedals, each with an illuminated symbol on its surface.

<b>Connectivity:</b> CARE
<b>IP protection:</b> IPX6
<b>Buttons:</b> 2 pedals
<b>Indicators:</b> 2 LEDs

## FS 21



**EASY OPERATIONS USING A UNIQUE SHIFT BUTTON**  
The optimal lying or sitting position is only one step away. Dewert's FS21 enables easy and comfortable adjustments for nursing and hospital beds. The highlight of the foot switch is its toggle button, which allows to switch between four customer-specific functions.

<b>Connectivity:</b> CARE
<b>IP protection:</b> IPX6
<b>Buttons:</b> 2 pedals, 1 toggle switch for choice of function
<b>Indicators:</b> 2 illumination LEDs, 4 function LEDs

Floor lighting system

Accessories



**INCREASING PATIENT SAFETY IN LOW-LIGHT ENVIRONMENTS**  
Versatile, non-dazzle LED illumination. Depending on the application, area of use and control unit used, this product takes over the function – among others – of floor lighting, a handset distributor, or also the alarm function in the Out-of-Bed system.

<b>Connectivity:</b>	CARE
<b>IP protection:</b>	IPX6
<b>Illumination:</b>	LEDs
<b>Options:</b>	13pole handset socket, 2pole loudspeaker socket
<b>Special features:</b>	Cascadable version available

UBB20i floor lighting



**IMPROVED SAFETY FOR PATIENTS**  
Dewert's UBB20i floor lighting provides greater safety in the hospital or care facility. The LED lighting makes it easier to assess the bed height of a hospital or nursing bed, especially at night, so that the patient can get up safely. The LED lighting also provides better orientation for patients and nursing staff in the room.

<b>Connectivity:</b>	Powerbus
<b>IP protection:</b>	IP67
<b>Illumination:</b>	LEDs
<b>Options:</b>	Color and intensity adjustment
<b>Special features:</b>	Single-fault protected

Floor lighting with motion sensors



**AUTOMATIC SAFETY FOR PATIENTS**  
Dewert's floor lighting with motion detectors provides the next step in safety in the hospital or care facility. The LED lighting reacts automatically at night if a patient tries to leave the bed or if the nursing staff approaches the bed.

<b>Connectivity:</b>	CARE
<b>IP protection:</b>	IPX6
<b>Illumination:</b>	LEDs
<b>Power supply:</b>	29VDC

Rechargeable battery AC4.5

Accessories



**IDEAL FOR MOBILE APPLICATIONS**  
The RECHARGEABLE BATTERY AC 4.5 with proven lead-gel technology is designed for mobile applications such as patient lifters. The rechargeable battery is designed for the ACCUCONTROL 4.5 control unit and ideal for bridging the charging times of another rechargeable battery.

<b>Connectivity:</b>	Designed for Accucontrol 4.5
<b>Output:</b>	24VDC
<b>Type:</b>	4.5Ah lead-gel battery
<b>Options:</b>	Can be used with charging station AC4.5 and plug-in charger
<b>Special features:</b>	Exchangeable

Charging station AC4.5



**EASY CHARGING**  
Wall-mounted charging unit for ACCUCONTROL 4.5. Ensures easy charging when used together with the ACCUCONTROL 4.5's plug-in charger.

<b>Connectivity:</b>	Designed for battery AC4.5
<b>Type:</b>	Charging station

Circuit breaker



**ACCESSORY FOR CONTROL UNITS**  
The Dewert circuit breaker is illuminated and equipped with an EPR mains cable. The accessory is designed for all Dewert control units with protection class II and has an easily accessible primary fuse. On request, it is optionally available as a plug-in version for drives and control units with SMPS.

<b>Connectivity:</b>	Designed for all Dewert control units with mains power supply
<b>Type:</b>	Circuit breaker
<b>Power supply:</b>	100-240VAC
<b>Options:</b>	Plug-in to MCL II and SG300 (SMPS)

Brake alarm

Accessories



**BRAKE ALARM PROTECTS PATIENTS AND STAFF AGAINST DANGER**  
Releasing the brake on the hospital beds unintentionally can cause serious damage. The brake alarm from Dewert warns of this danger. An audiovisual alarm is triggered when the hospital bed brake is released.

<b>Connectivity:</b>	The alarm is easy to retrofit and fits any 3- or 4-motor Dewert control unit with CARE handset connection.
<b>Type:</b>	Brake alarm
<b>Power supply:</b>	29VDC

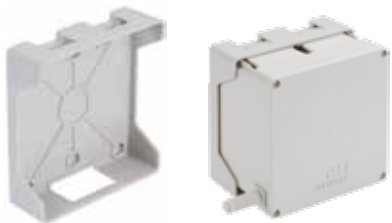
Battery AG7/AG9



**FUNCTIONALITY GUARANTEED**  
The RECHARGEABLE BATTERY AG7/AG9 with proven lead-gel technology ensures the functionality of drives. Thanks to the rechargeable battery, a device can continue to operate during a power failure.

<b>Connectivity:</b>	Designed for all Dewert control boxes with battery connector and internal lead-gel charging unit
<b>IP protection:</b>	IPX6
<b>Output:</b>	29VDC
<b>Type:</b>	1.2Ah lead-gel battery
<b>Options:</b>	External multi-charging station available, mounting plate
<b>Special features:</b>	Mountable on Duomat 7 and Duomat 9

Mounting plate AG7/AG9



**HOLDS THE AG7 RECHARGEABLE BATTERY PERFECTLY**  
The MOUNTING PLATE AG7/AG9 is for easy fitting of the AG7 rechargeable battery if it is not directly used with Duomat 7 or Duomat 9. It can be placed in any position and mounts perfectly to hospital and nursing beds.

Plug-in charger



**COMPACT CHARGING SOLUTION FOR THE LIFTER BATTERY**  
This practical charger is intended for charging the AC4.5 battery from the popular ACCUCONTROL control unit. It eliminates unnecessary cabling at the lifter. The PLUG-IN CHARGER not only ensures safe charging, but also enables the optimal charging speed.

<b>Connectivity:</b>	Designed for charging lead-gel batteries in Accucontrol 3.0 and 4.5
<b>Type:</b>	Charger
<b>Power supply:</b>	100-240VAC
<b>Output:</b>	max 29VDC / 700mA
<b>Options:</b>	Country-specific plug, Lithium-Ion version for Accucontrol 3.9

Battery AG20

Accessories



**FUNCTIONALITY GUARANTEED**  
The RECHARGEABLE Lithium-Ion BATTERY AG20 with new lithium-ion technology ensures the functionality of drives. Thanks to the rechargeable battery, a device can continue to operate during a power failure.

<b>Connectivity:</b>	Designed for Dewert Powerbus systems
<b>IP protection:</b>	IP66
<b>Output:</b>	29VDC
<b>Type:</b>	2.5Ah Lithium-Ion battery
<b>Options:</b>	Mounting plate
<b>Special features:</b>	Mountable on separate plate or directly on Megamat 20 actuators, short-circuit-proof output, electronic over-current cut-off, 4 or 5 digital Powerbus ports (depending on model)

Wall plug 20



**EFFICIENT EXTERNAL PLUG-IN POWER SUPPLY FOR DEWERT PRODUCTS**  
The WVP24 external plug-in power supply features a space-saving design and outstanding versatility. Thanks to its electronic switched-mode power supply technology (SMPS), this external power supply is light and compact. It delivers a constant output voltage with an input voltage range from 100 to 240 volts. The WVP 20 belongs to Dewert's generation of intelligent components that have an integrated control unit. Users also benefit from very low standby power consumption; WP 20 has country-specific plug.

<b>Connectivity:</b>	Designed for Dewert Powerbus systems
<b>Type:</b>	Wall plug power supply
<b>Power supply:</b>	100-240VAC
<b>Output:</b>	max 29VDC / 2A, 6A and 9A versions available
<b>Options:</b>	Country-specific plug
<b>Special features:</b>	Safety features such as an NTC temperature sensor, a primary fuse and overload protection, short-circuit-proof output, electronic over-current cut-off

Desktop power supply 20



**EFFICIENT DESKTOP POWER SUPPLY FOR DEWERT PRODUCTS**  
The external Desktop Power Supply "Desktop Power Supply 20" features a space-saving design and outstanding versatility. Thanks to its electronic switched-mode power supply technology (SMPS), this external power supply is very powerful. It delivers a constant output voltage with an input voltage range from 100 to 240 volts. The Desktop Power Supply 20 belongs to Dewert's generation of intelligent components that have an integrated control unit. Users also benefit from very low standby power consumption; "Desktop Power Supply 20" has an country-specific mains cable.

<b>Connectivity:</b>	Designed for Dewert Powerbus systems
<b>Type:</b>	Desktop power supply
<b>Power supply:</b>	100-240VAC
<b>Output:</b>	max 29VDC / 8A
<b>Options:</b>	Country-specific mains cable, mounting hook
<b>Special features:</b>	Safety features such as an NTC temperature sensor, a primary fuse and overload protection, short-circuit-proof output, electronic over-current cut-off

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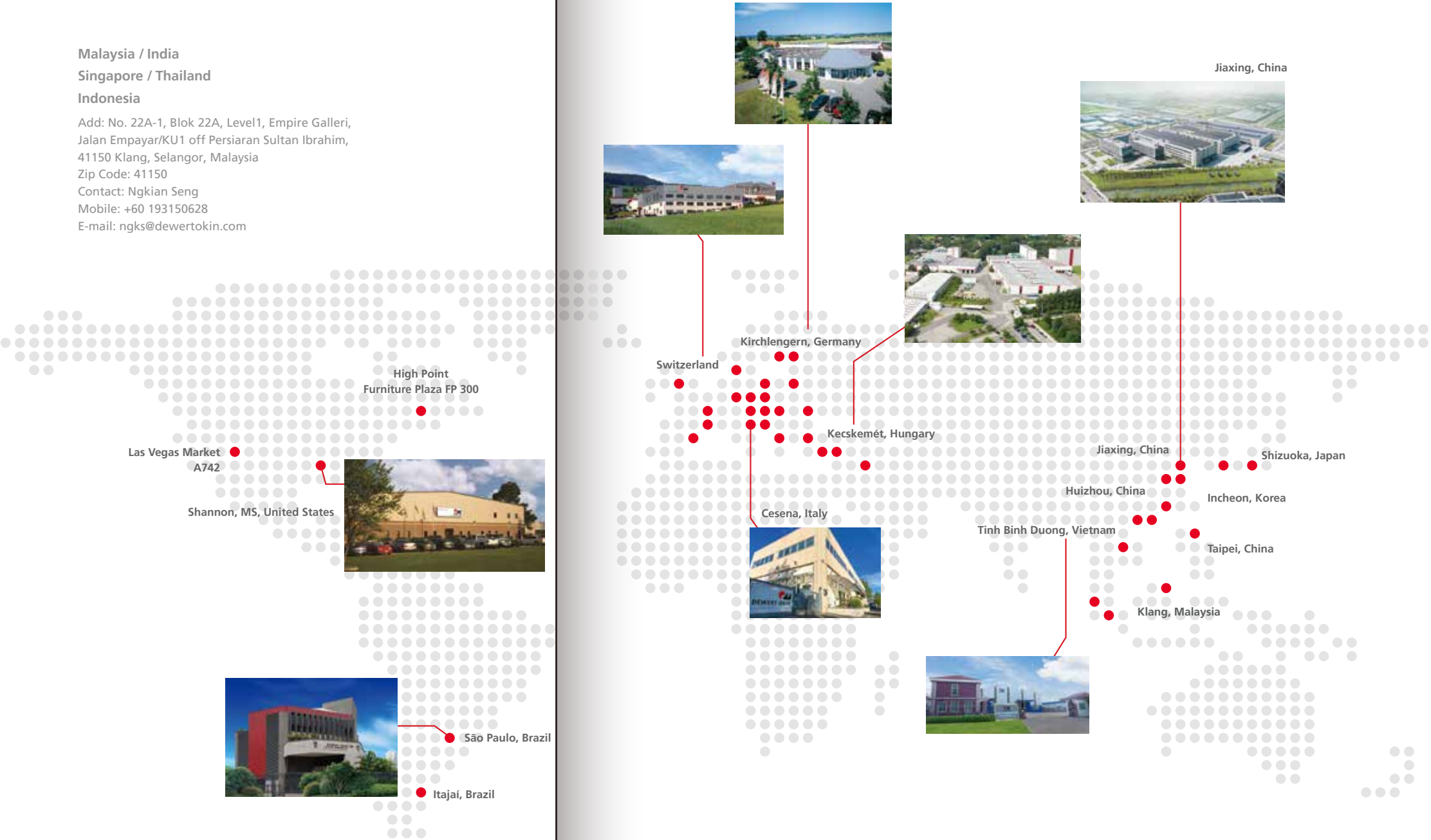
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