

Powered by **DEWERT**

Since 1982



DRIVE & SYSTEM

Technology for Medical Applications

CARE | HOSPITAL | BEAUTY | SPA



Over 40 years of experience

DEWERTOKIN TECHNOLOGY GROUP

DewertOkin Technology Group Ltd. is a subsidiary of Phoenix Mecano 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
- Global Supply Chain
- Production Real-time Traceability
- 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.



- In May 2021, set up the first high-level national laboratory in the industry accredited by China National Accreditation Service for Conformity Assessment (CNAS).
- Awarded the National High-tech Enterprise Certificate & National IP Advantage Enterprise, and is the main drafting unit of the national light industry and Zhejiang manufacturing group standards.
- Approved by authoritative certification institutions.



Reliable and user-friendly

The demands on modern beds are high: facilities expect long-lasting products, caregivers need reliable technology with a high level of functionality, and patients place great importance on comfort.

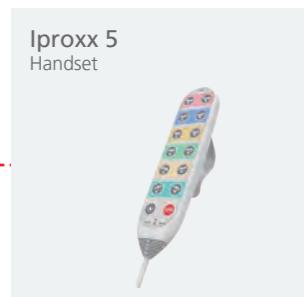
Dewert products are single-fault protected and meet all of the required standards. Their robust and compact design, combined with their high push and pull forces, enable them to be used in applications such as in low nursing beds and bariatric beds.



NURSING BEDS



MC MINI Control unit



Safety for challenging tasks

ICU beds (Intensive Care Unit) must be easy to use, as well as ensure quick adjustments at any time. It must be possible to move patients into a shock position or CPR position within seconds.

As a system provider, Dewert ICU beds come fully equipped with customised drive technology, operating elements and a wide range of accessories.

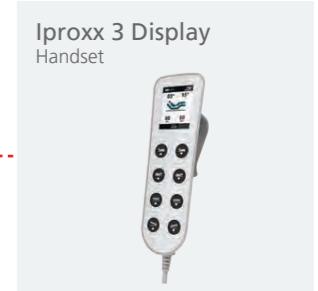
Dewert's drive technology also features high safety reserves that remain fully functional even during exceptional situations, such as short-term overloads.

ICU BEDS



MC 16

Control unit



Mobility for improved quality of life

Moving from the bed to a chair or a bathtub is an essential part of the daily life of people with mobility impairments. Moreover, safe access to therapy pools during water therapy helps to facilitate these applications.

Patient lifters ensure a reliable and safe lifting and lowering that significantly improves the quality of life for these people. The PLC 20 system from Dewert with its lifting, pivoting and lowering functions is customised for exactly these requirements. In addition to safe and durable operation, Dewert's PLC 20 system is also designed for easy integration into a patient lifter.



PATIENT LIFTERS



PLC 20

Control unit



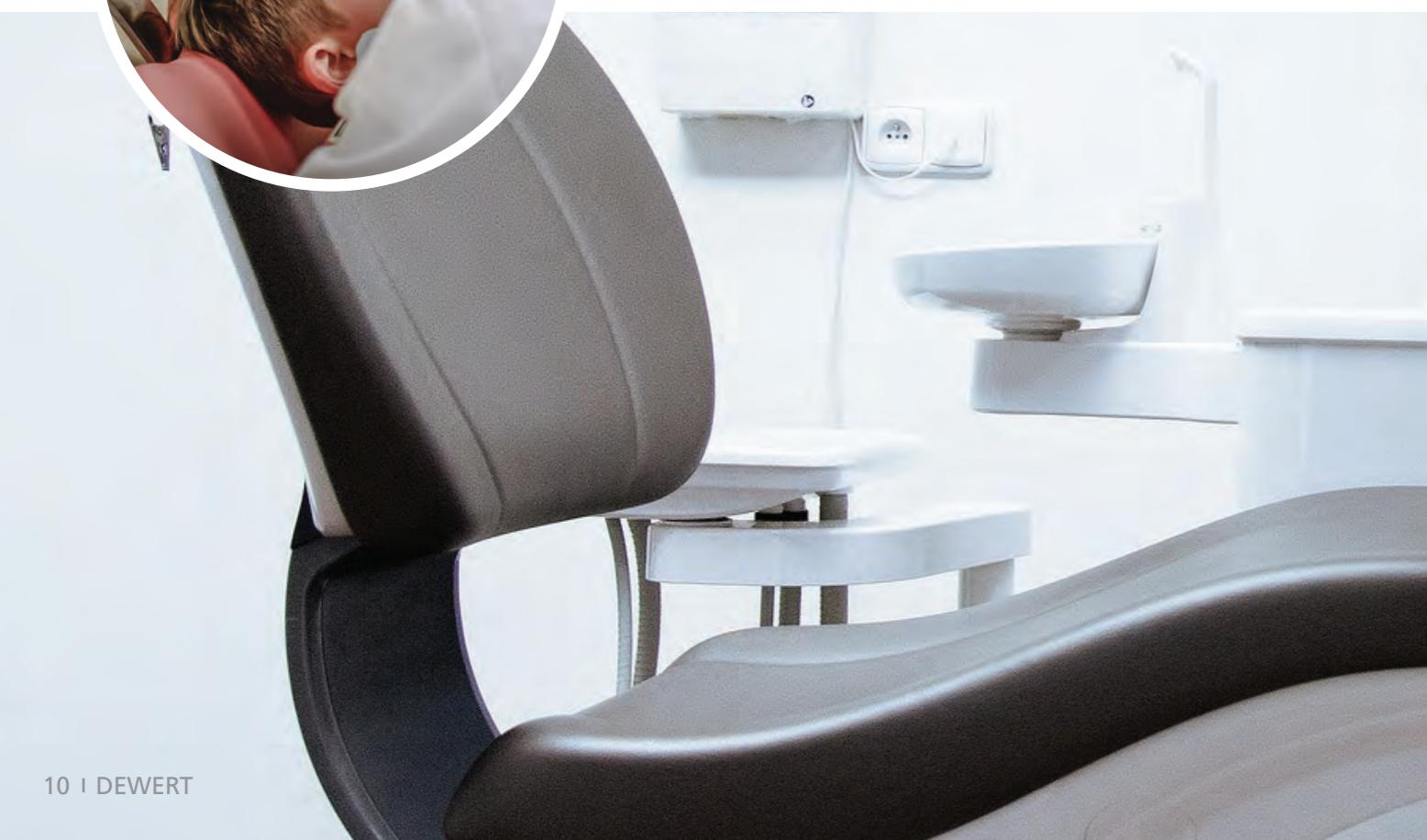
Stability and precision

Safety, comfort and a compact design play an important role in patient chairs. Given the fact that patients sometimes remain sitting for long periods, the chairs must also be capable of gentle and precise adjustments. In addition, the slim design enables doctors to work very close to patients.

Dewert lifting columns for patient chairs deliver outstanding stability and reliable adjustments. Their whisper-quiet operations as well as the gentle, quick adjustments provide even more comfort during treatment.



TREATMENT CHAIR



MC 12 Control unit



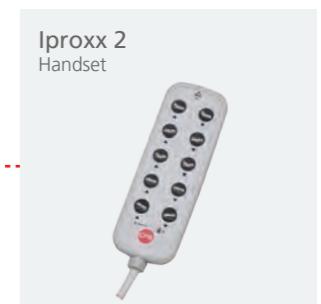
JLDQ.19M
Single drive



DA29
Single drive

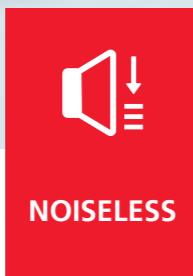
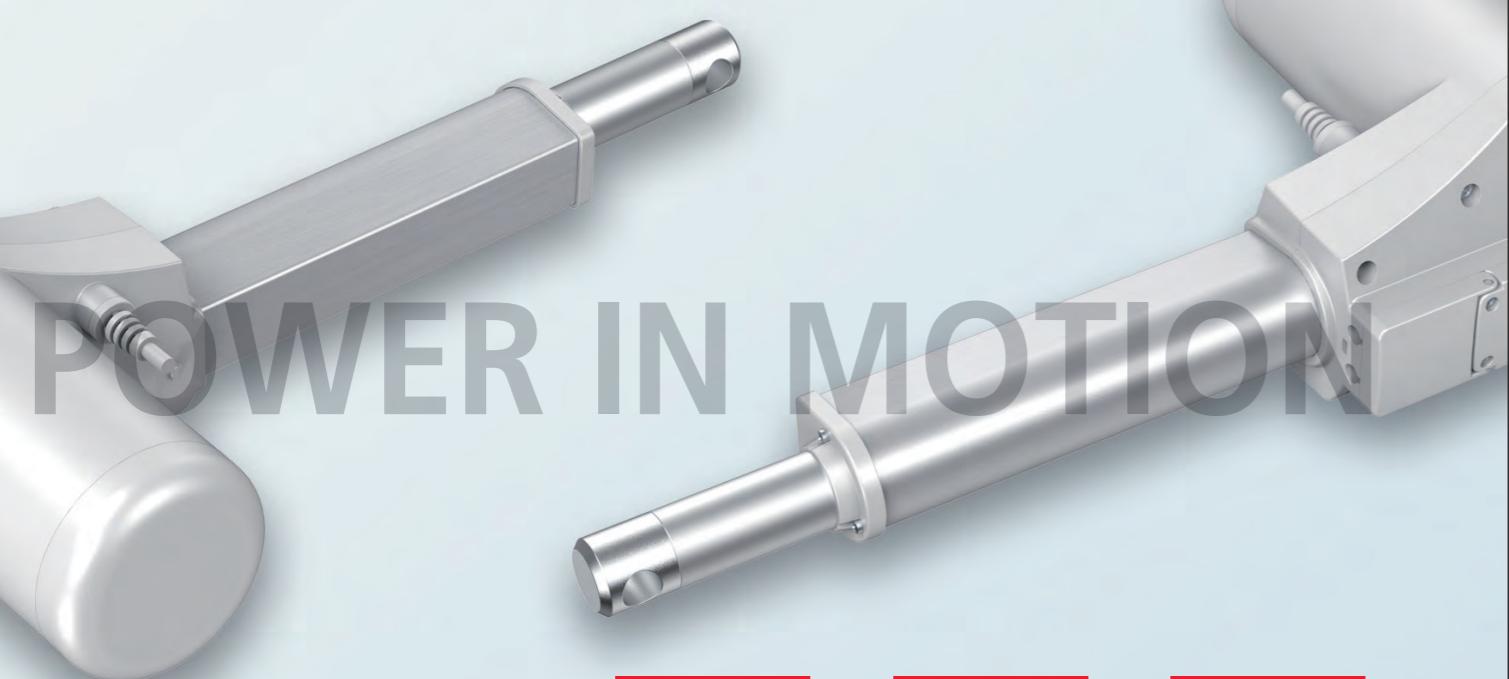


DA31
Single drive



Iproxx 2
Handset





NOISELESS



POWERFUL



STABLE

DA28

DA29

Actuators



Description:

Safe, fast and smooth release thanks to a mechanical quick release, this drive makes easier and safer to lower the bed in case of emergency.

Max load: 4000N

Installation size: 180+stroke (20-300mm)

Noise without load: ≤50dB(A)@500mm

Installation mode: 0° or 90°

Feedback: Hall sensor

Description:

Designed for extreme loads: this silent and powerful yet fast single drive with multiple feedback modes is the ideal choice for patient lifters and chairs.

Max load: 8000N

Installation size: 168+stroke (20-300mm)

Noise without load: ≤50dB(A)@500mm

Installation mode: 0° or 90°

Feedback: Hall sensor and reed switch

Optional: Manual mechanical release function

DA31

JLDQ.19M

Actuators



Description:

Thanks to its low noise and compact size, the DA31 can be installed in narrow spaces, making it an optimal choice to patient lifter applications.

Max load: 4000N

Installation size: 135mm+stroke (50-300mm)

=185mm(stroke25-50mm)

Noise without load: ≤50dB(A)@500mm

Installation mode: 0° or 90°

Feedback: Hall sensor

Description:

Affordable yet powerful single drive for a variety of applications: the JLDQ.19M has high adjustment forces and is very compact.

Max load: 6000N

Installation size: 150+stroke (20-400mm)

Noise without load: ≤50dB(A)@500mm

Installation mode: 0°

Feedback: Hall sensor

JLDQ.30Y

**Description:**

Strong, compact and affordable: the JLDQ.30Y can also be operated manually without power, making it a versatile option for nursing beds and more.

Max load: 3000N**Installation size:** 160+stroke (20-300mm)**Noise without load:** ≤50dB(A)@500mm**Installation mode:** 0° or 90°**Feedback:** Hall sensor

JLDQ.30M

**Description:**

Compact size and strong power combined with the affordability of the JLDQ.30M allows its wide use in hospital beds.

Max load: 6000N**Installation size:** 160+stroke (20-300mm)**Noise without load:** ≤50dB(A)@500mm**Installation mode:** 0° or 90°**Feedback:** Hall sensor

Actuators

DUOMAT 10/11

**Description:**

Its fixed mounting size and stroke and built-in control system make it easy to install and operate. A modern housing design, increased mechanical stability and the many configuration details and options make our double drive even more attractive to use.

Max load: 4500N**Installation size:** 581+stroke (51+n*9 (n≤4))**Noise without load:** ≤60dB(A)@500mm**Installation mode:** Fixed length 581mm**Extension interface:** Max 2 actuators, 1 handset, SMPS built-in or external

Double Drives

MEGAMAT 10

**Description:**

Reliable and stable, this single drive simplifies installation, offering mounting angle versatility and being assembled directly with the control box.

MEGAMAT XS

**Description:**

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

Max load: 6000N**Installation size:** 165+stroke (20-300mm)**Noise without load:** ≤60dB(A)@500mm**Installation mode:** 0° or 90°**Feedback:** Hall sensor**Special configuration:** Versions ER/GQR

DC 20

**Description:**

Versatile heavy-duty column with a particularly low noise level during operation. Its small size and long stroke make it ideal for ICU beds and high off-center loads applications.

**Description:**

Sturdy two-stage lifting column with ergonomic height. Its flexible installation size applies to a wide use range, i.e. beauty chairs, consoles, and more.

Lifting Columns

Max load: 2000N**Installation size:** 350+400mm or 320+380mm**Noise without load:** ≤50dB(A)@500mm**Installation mode:** Upright mounting**Feedback:** Hall sensor**Anti-twist device:** Static 500N*m / Dynamic 250N*m**Max load:** 4000N**Installation size:** 200+stroke (20-300mm)**Noise without load:** ≤50dB(A)@500mm**Installation mode:** Upright mounting**Feedback:** Hall sensor**Anti-twist device:** Static 500N*m / Dynamic 250N*m

INTELLIGENT SYSTEMS

Intelligent systems from Dewert ease the workload in nursing facilities and can be individually adapted to the requirements of the situation.

PLC 20

**Description:**

PLC 20 is a control unit specially engineered for patient lifters. Its slim and vertical design adapts perfectly to lifter structures.

Drives: 1 - 2**Operating elements:** 1**Connection options:** -

ECO2.5

**Description:**

Compact in size, it can be bundle-mounted with an actuator and features a rotatable mounting accessory that supports 180° rotation. Powered by a built-in 2.5Ah lithium battery, it delivers robust output performance.

Drives: 1 - 2**Operating elements:** 1**Connection options:** -

Lifter Control Units

MC Mini

**Description**

A small and compact control box that only requires minimal space for installation. It has extremely low energy consumption in standby mode. It can be applied to ultra-low home care beds. Designed to be directly mounted on the drive.

Drives: 4**Operating elements:** 1**Connection options:** -

MC 12

**Description**

Compact and affordable single-fault protected control unit with integrated SMPS, designed for directly mounting on the drive.

Drives: 1- 4**Operating elements:** 1**Connection options:** -

MC 15 / 17B

**Description**

Single-fault protected control unit with integrated SMPS, designed for directly mounting on the drive. MC17 also has supportable program definition.

Drives: 1- 4**Operating elements:** 1 - 2**Connection options:** -

MC 16



Control Units

Description

MC 16 is a single-fault protected control unit with integrated SMPS that can control multiple drives and support program definition.

Drives: 1- 5

Operating elements: 1 - 2

Connection options: -

MC 22



Description

Designed specifically for applications that require a high number of actuators, like surgical beds, it supports up to 8 actuators, one hand controller, and one battery. It features a 29V output port for easy connection to other devices, and its flat design allows for simple installation.

Drives: 1- 8

Operating elements: 1

Connection options: -

MC 23



Description

Compact in size with a built-in SMPS and integrated mounting ears, it allows for easy installation and can also be bundle-mounted with an actuator.

Drives: 1- 4

Operating elements: 1

Connection options: -

Control Units

Iproxx AC 2



Handsets

Description

Outstanding durability and safety with a wide range of functions: the IPROXX AC 2 enables multiple drives to be locked and unlocked individually.

Indicators: 13

Keys: 22

Customizable parts: Key functions and foil pattern

Iproxx AC 2 Display



Description

The IPROXX AC 2 Display enables multiple drives to be locked and unlocked individually, while several bed information can be visualized on the built-in LCD display.

Indicators: 7

Keys: 25

Customizable parts: Key functions and foil pattern

Iproxx AC Touch



Description

Modern nurse panel with a full size touch LCD screen display and full functions. Equipped with speakers, it can reproduce uploaded videos.

Indicators: -

Keys: 2

Customizable parts: Key functions

Iproxx 4



Description

Simple design, small size and easy to clean: IPROXX 4 is the cost-effective solution for care beds.

Indicators: 2

Keys: 11

Customizable parts: Key functions

Foil pattern

Iproxx 4 Lifter



Description

Handset for patient lifter, designed in a set with the PLC 20 control unit. Its foil design can be customized to meet the customer requests.

Indicators: 3

Keys: 4

Customizable parts: Key functions

Foil pattern

Handsets

Nocturne



Description

Versatile and durable handset with smooth, easy-to-clean surface. The fluorescence aspect ensures optimum visibility of the keys in low-light conditions.

Indicators: 3

Keys: 11

Customizable parts: Key functions

Foil pattern

Iproxx 2



Description

The affordable IPROXX 2 combines robustness and versatility with a slim and elegant design. Its silent keys ensure discretion while operating.

Indicators: 3

Keys: 11

Customizable parts: Foil pattern

Integrated mechanical or programmable, multi-stage lock function.

Iproxx 5



Description

The advanced version of the handset can be widely used in the field of nursing. It is equipped with 14 buttons, which can be optionally equipped with vocal feedback or voice control functions to improve user accuracy and convenience. Comfortable grip.

Indicators: 3

Keys: 14

Optional Functions: Vocal feedback

Voice control

Iproxx 6



Description

Developed specifically for surgical beds, it features up to 30 buttons and pairs with the MC22 control box. Equipped with a backlight function, it combines an aesthetically pleasing design with an ergonomic grip for comfortable and secure operation.

Indicators: 5

Keys: 30

Customizable parts: LCD screen

Logo customerised

Iproxx 3



Description

Versatility in a slim design: the IPROXX 3 can be used for any number of drives and a wide number of applications.

Indicators: 3

Keys: 14

Customizable parts: Key functions

Foil pattern

Iproxx 3 Display



Description

Intuitive and user-friendly handset with fully integrated LCD display. The IPROXX 3 Display is single-fault protected, durable and versatile.

Indicators: -

Keys: 8

Customizable parts: Key functions

Foil pattern

DWP35 Bed Scale



Description

This stand-alone weighing panel can be used in a wide range of medical applications. It features an LCD display and physical buttons, displays real-time weighing data and historical records. With high weighing accuracy, it is easy to install and to use thanks to its bilingual display in English and Chinese.

IP Protection: IPX6

Weighing display accuracy: 100g

UBL



Description

This UBL can be widely used in hospital beds, nursing beds and other nursing applications. It is equipped with warm white light, which is soft and comfortable on the sight. It improves safety in low-light ambients and nighttime for both patients and staff movements.

Light Color: Warm White Light

Illumination: LEDs

Emergency Stop



Description

Discreet and reliable, the Medical Emergency Stop Switch is directly connected to the control box instead of the handset, directly cutting off the power supply when activated.

Input current: 1A

Input voltage: 24V DC

Accessories

Description
Designed specifically for hospital beds, it supports full-system locking and features 12 buttons for 5 core functions plus a dedicated CPR mode, meeting diverse user needs. The elevated guardrail height enhances patient safety, while its simple installation and robust construction ensure reliable performance.



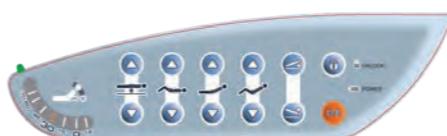
Input current: 1A

Input voltage: 29V

Guardrail Control

Description

Completely customizable on shape and size, the Electric Guardrail Control can also be personalized with lock/unlock and CPR buttons, power supply and charge LED indicators.



Input current: 1A

Input voltage: 29V

PW.11 Power Supply

Description

This wall plug-in switch power supply can be used worldwide thanks to standardized regional plugs and its IPX4 protection level.



Input voltage: 100V-240V~

Input frequency: 50-60Hz

Input current: 2.5A max

Input voltage: 29V

PW.21 Power Supply



Description

Discreet and compact, this desktop switch power supply has an IPX4 protection level.

Input voltage: 100V-240V~

Input frequency: 50-60Hz

Input current: 2.5A max

Input voltage: 29V

Accessories

JLDK.23



Description

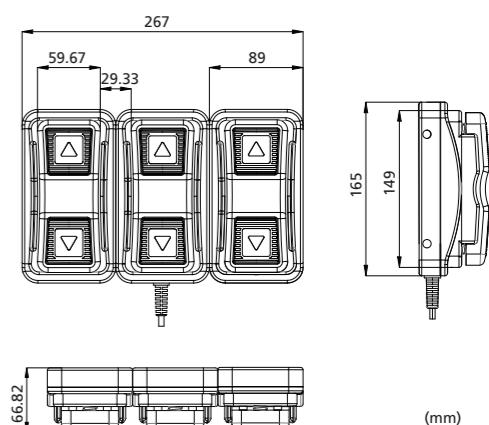
A perfect blend of style and functionality, this classic design two-way foot switch is available in black and grey. This cost-effective solution provides a reliable foot control option for many applications.

Indicators: 1

Keys: 6

Input voltage: 29V

Foot Switches



BP 1 Batteries



Description

The BP 1 battery has ultra-low static power consumption (as low as 0.5uA) and an intelligent battery management to preserve battery life.

Battery type: Lead-acid battery with built-in charger

Output voltage: 24V DC rated capacity

Capacity: 1.2Ah

Other: Intelligent low voltage alarm

BP 3 Batteries



Description

The BP 3 battery has ultra-low static power consumption (as low as 0.5uA) and an intelligent battery management to preserve battery life.

Battery type: Lead-acid battery with built-in charger

Output voltage: 24V DC rated capacity

Capacity: 4.5AH

Other: Intelligent low voltage alarm, Battery level display

JLDK.45

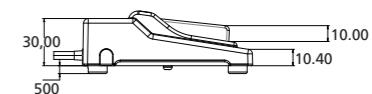
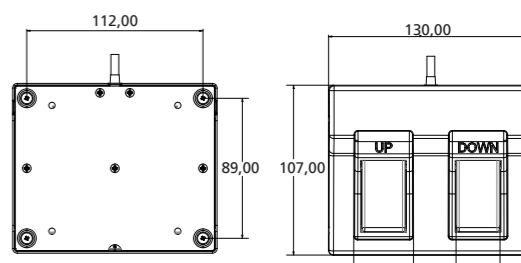


Description

Easy to operate, this waterproof foot switch can support up to 2 rows of key combinations.

Keys: Max. 4 buttons

Input voltage: -



(mm)

DFS1



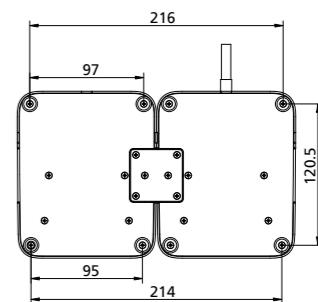
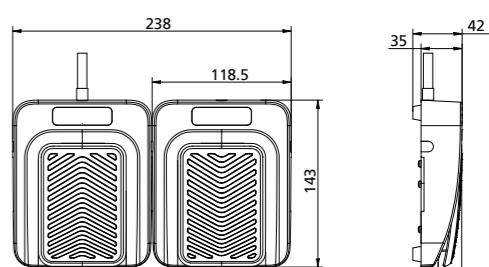
Description

The DFS1 foot switch features an attractive design and an anti-misstep mechanism for enhanced safety, making it a reliable and high-quality choice for various applications. Its modular design allows for versatile configurations, making it ideal for use with hospital and surgical beds, beauty beds, and other applications.

Indicators: 2

Keys: Max.8 buttons

Input voltage: 29V



(mm)

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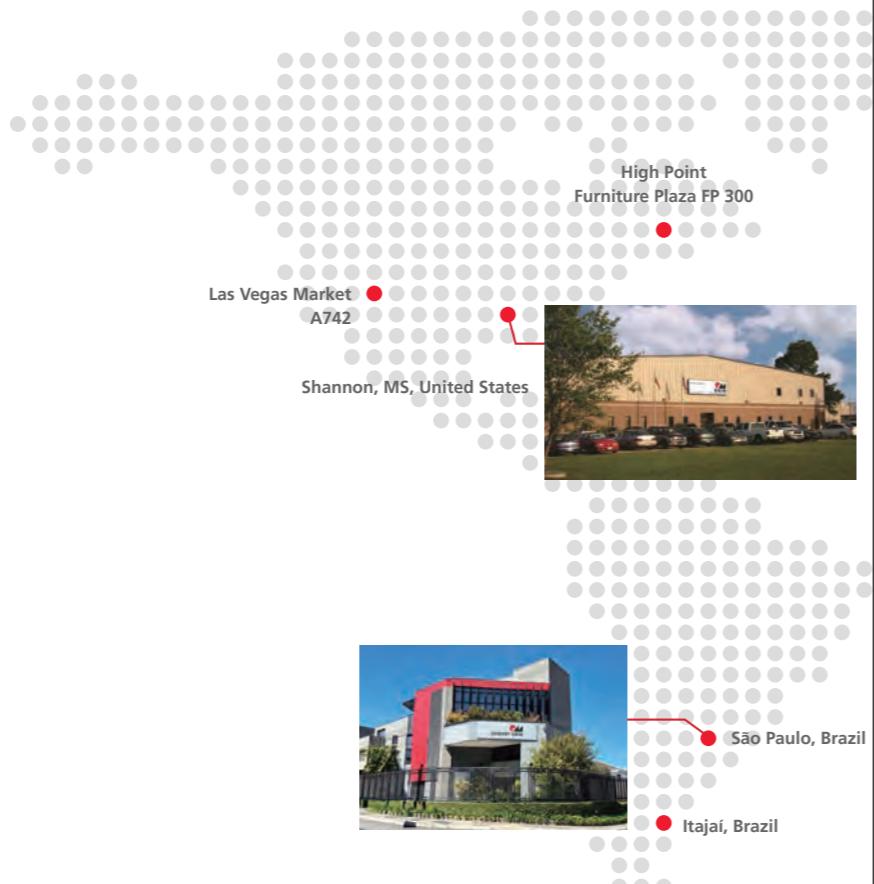
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