

ACTIVE sit-stand desks



FEATURES

- Telescopic frame
- Equipped with two motors
- Column type – DOWN version
- Two types of lifting columns with anti-collision
- Three types of feet
- Two types of height adjustment buttons

QUALITY STANDARD

Supplier standards

- IEC 60335-1:2010
- EN 61000-3-2:2006, -A1:2009, -A2:2009
- EN 61000-3-2:2014
- EN 61000-3-3:2008
- EN 61000-4-2, -3, -4, -5, -6, -11 LST EN 527-1:2011
- EN 61000-6-2:2005
- EN 61000-6-3:2007
- EN 55014-1:2016+A1:2009+A2:2011
- EN 55014-1:1997+A1:2001+A2:2008

TECHNICAL INFORMATION

Desktop

- 25 mm MFC (melamine) with 2 mm ABS edging;
- With or without a cut-out for grommet and wire management;
- With or without a scallop for wire management.

Desk control button types

- NA – up and down drive;
- PA – up and down drive, 2 memory positions and screen that shows current height.

Adjustable telescopic frame

- Square steel pipe dimensions: 50x25x551 mm
- Side support steel L shape 62x20x520 mm
- Adjustment range - 600 mm;
- Steel pipe part for adjustment - 40x20x870 mm;
- Powder coated metal, matches the colour of columns and feet.

Height adjustment button types



NA

PA

Types of feet



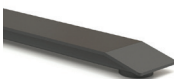
Type I

- Metal tube – 700x70x20 mm;
- Height levelling plastic feet (+10 mm);
- Powder coated metal; matches the colour of frame.



Type Q

- Metal sheet 700x80x31 mm with welded profile for stability;
- Height levelling plastic feet (+10 mm);
- Powder coated metal; matches the colour of frame.



Type Z

- Metal tube – 700x75x31 mm with welded profile for stability;
- Height levelling plastic feet (+10 mm);
- Powder coated metal; matches the colour of frame.

Lifting columns

- Types: two (2) or three (3) level columns;
- Anti-collision feature;
- Two motors;
- Soft start and soft stop;
- Lifting speed: up to 40 mm/ sec;
- Stroke length: 470 mm (two (2) level column) / 650 mm (three (3) level column);
- Rectangular tube dimensions: two (2) level column 50x70, 60x80 mm, three (3) level column 40x60, 50x70, 60x80 mm;
- Lifting capacity: 80 kg;
- Glide system solution prevents desk columns from possible paint scratches;
- Powder coated metal, matches the colour of frame and feet.

Types of columns



Two (2) level column

Three (3) level column

ELECTRICAL SPECIFICATION

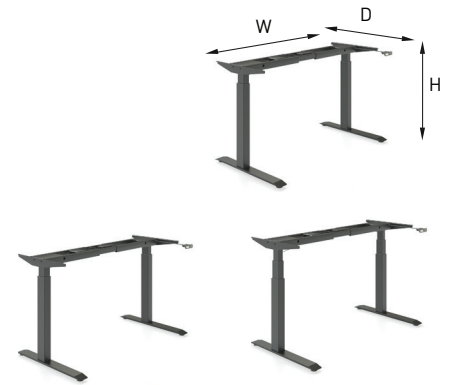
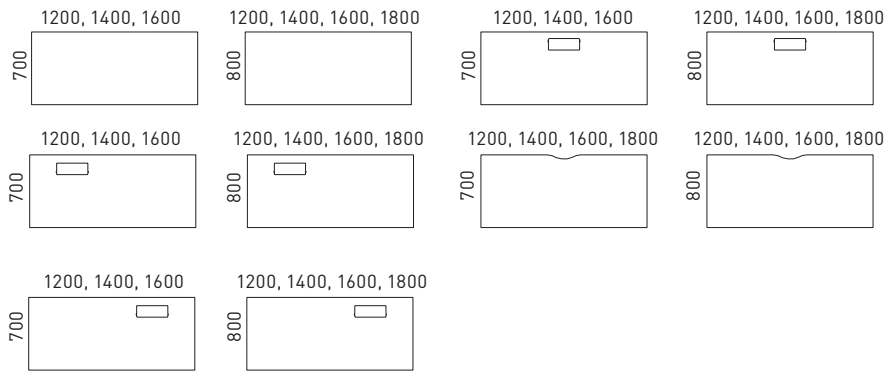
Electronic data power unit

- Input: 110-240 V;
- Frequency: 50/60 Hz;
- Output: 29 V (Button PA 35V D04);
- Power Plug: 2-pol; EU, UK, US;
- Energy consumption: standby 0,5 W (Button PA 0,2 W D04);
- Operating Cycle: 1 minute on, 9 minutes off.

GUARANTEE

- 5 years

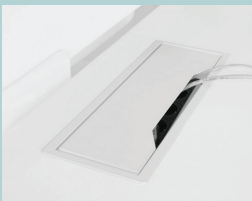
RANGE



W 1146/1346/1546/1746
D 700
H 698-1168

W 1146/1346/1546/1746
D 700
H 617-1267

Must be ordered
(for desktops with cut-out)



Metal grommet:
317x119 mm, H=27 mm

Optional



Cable trays



Power socket blocks



Cable ducts



Screens



Felt-lined metal
drawer with lock

CONTROL SYSTEM

ECS+

The new generation of ECS let you control up to three columns per system. It is possible to add more systems by cascade connections. Please contact us for more information.

The system includes several optional accessories such as handsets and digital displays.



Technical Specification

Function

Control:	Up to 3 column parallel drive
Speed:	32 mm/second ^(A01) 40 mm/second ^(D04)
Soft start:	Yes
Maximum load:	60 kg / column
Travel range:	0-665 mm
Noise output:	55 db
Product silence:	40 db

Dimensions & Weight

Control unit:	100 x 90 x 27 mm
Power unit:	152 x 59 x 34 mm
Power cables:	Length 3000 mm (primary side)
Motor cable:	Length 1200 mm

Standards & Environment

EMC, RoHs2, WEE, CE, Reach
Power Unit: TÜV/GS ^(Only applies to A01)
RoHs2, Reach, EMC, UL962

Electronic Data Power Unit, A01

Input:	110-240 V
Frequency:	50/60 Hz
Output:	29 V DC
Power Plug:	EU, UK & US

Electronic Data Power Unit, D04

Input:	110-240 V
Frequency:	50/60 Hz
Output:	25-35 V DC
Power Plug:	EU, UK & US

Operating Environment

Operating Cycle: 1 minute on, 9 minutes off
Operating Temperature: 15-35 C

Energy Use

Standby:	0,1 W ^(A01) 0,2 W ^(D04)
Maximum power:	240 W ^(A01) 320 W ^(D04)

Options

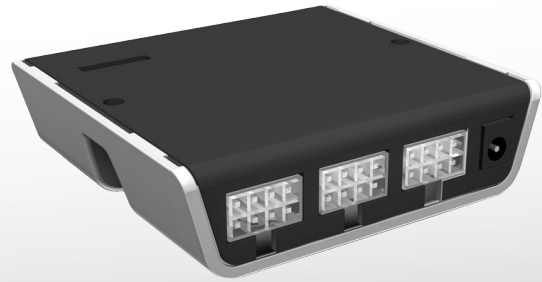
N/A

CONTROL SYSTEM

ECS+

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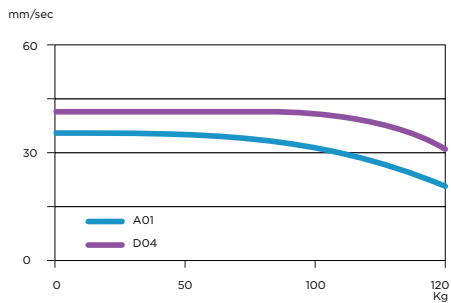
The system includes several optional accessories such as handsets and digital displays.



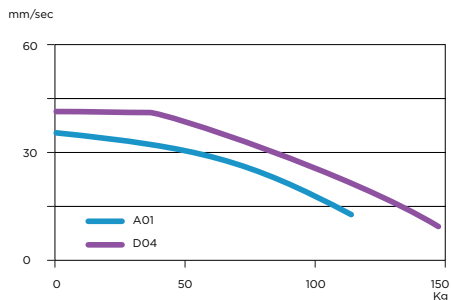
Speed relative to load.

This is measured with 230 V supply. A small variation on speed is visible with 120V supply. The speed may vary +-5% from measured values below. Measured speed during upwards movement on second run. Tests made on columns with SDA spindle:

2 columns



3 columns



Features

- » Up to 3 column parallel drive.
- » Up to 5 memory positions (depending on handset)
- » Collision detection, with automatic back-off.
- » Soft drive comfort.
- » Auto detection of connected columns.
- » Dynamic overheat protection.
- » Integrated over load protection.
- » TripIT log function.
- » SimpleMemory (change min and max position of your system in a simple way)
- » Additional equipment is available and connectable to the integrated BUS. system
- » High efficient switch mode power supply (LLC).
- » Separated/safety extra-low voltage (SELV) power source.
- » Low standby power consumption.
- » Universal power supply, input voltage 110V-240V.

The Sit N' Stand Concept



- Developed by ROL ERGO for seamless integration with height adjustable frames.
- Control box and hand switch consolidated in one compact and lightweight unit.
- Energy-efficient allow for up to 50W lower consumption compared to previous generations.

Control System ECS-2 - Technical specification

FUNCTION

Control:	2-parallel system
Speed:	up to 30mm/second
Soft start:	progressive acceleration ensures soft height adjustment
Maximum load:	120 kg
Travel range:	500, 600 & 650mm

DIMENSIONS & WEIGHT

Control unit:	115 x 96 x 23 mm, 95 g
Power unit:	115 x 53 x 37 mm, 330 g
Power cables:	Length 1500 mm (primary side) Length 1900 mm (secondary side)
Motor cable:	Length 1500 mm

ENERGY USE

Standby:	0,5 W
Operation:	88 – 146 W at 0-120kg load

ELECTRONIC DATA POWER UNIT

Input:	110-240V
Frequency:	50/60Hz
Output:	29V
Power Plug:	EU

OPERATING ENVIRONMENT

Compatibility:	Motor hall sensor Bosch 24V, actuator ED
Operating Cycle:	1 minute on, 9 minutes off
Operating Temperature:	+10° C to +40° C (indoors)

OPTIONS

Color Control Unit:	black, white
Collision detection:	on/off

MATERIALS:

Cover Control Unit:	ABS plastic
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Control System ECS-2 - Technical specification

SAFETY FEATURES

Overheating Protection: Table is inoperable when the overheating protection has shut down the control unit.
Control unit will be reactivated automatically when temperature has dropped sufficiently.

Intermittency Function: The operating cycle of the control unit is 10%, which means that the table can be operated for 1 minute at maximum load, after which it will stop and must remain inactive for nine minutes.
Lesser loads allow for longer operating cycles. Control unit is automatically reset.

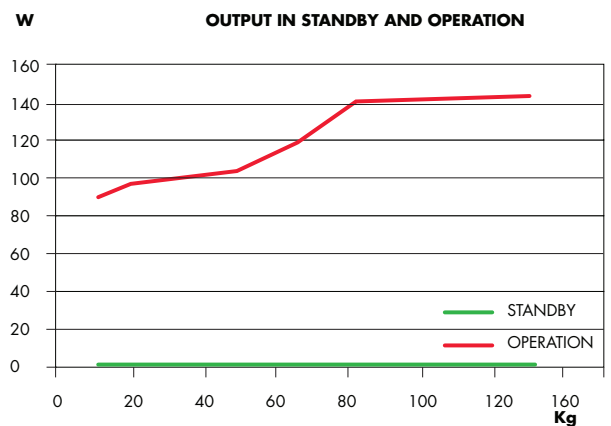
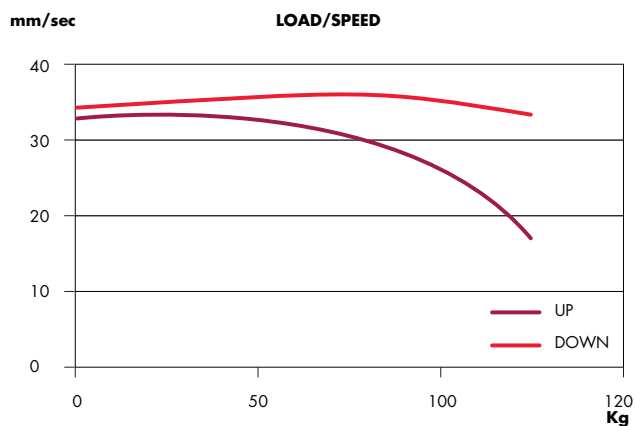
Memory Function: The control unit stores information on the elevation of the table at all times. This information remains stored even when the power supply is interrupted, for instance during a blackout or if the power plug is disconnected

STANDARDS & ENVIRONMENT

EMC

Control Unit: RoHs WEE CE Reach

Power Unit: WEE CE UL TÜV/GS



Hand control with built-in control system.



Power source



Stand with mounted control system

User Instructions - Control Unit ECS-2

FRAME ASSEMBLY

Assemble columns Leg system, foot/feet and bar/bars

Make sure that the power cable is correctly secured by slotting it into the groove in the motor housing.

CONNECTING CONTROL UNIT

1. Mount the control unit to the desktop in the desired location.
2. Connect the motor cables
3. Connect the power unit to the control unit and the power outlet
4. Remember to reset the unit on first use

RESETTING UNIT ON FIRST USE

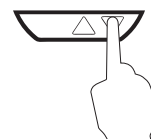
Before the table can be used, the control unit must be reset to establish the lowest point of the table. This is achieved by first lowering the table as far as it will go. Until this is done, it will not be possible to elevate the table.

RESETTING AFTER REPLACING CONTROL UNIT

If a control unit is replaced or switched, the new control unit must first be reset to establish the lowest point of the table. To do this, press and hold the "Up" and "Down" buttons simultaneously for at least 7 seconds and then press "Down" to bring the table to the lowest point. The control unit will now have registered the lowest point and the table is ready for use. Verify correct functionality by elevating the table to the highest point and then back to the lowest point.

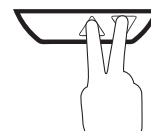


RESET UNIT ON FIRST USE

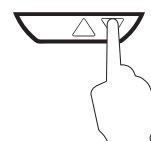


1. Lower table to lowest point by pressing "Down" button
2. Table is ready to use

RESETTING AFTER REPLACING CONTROL UNIT



1. Press and hold "Up" and "Down" simultaneously for 7 seconds



2. Lower table to lowest point by pressing "Down" button
3. Table is ready to use

The control unit is equipped with two safety features; the intermittency function and the overheating protection

- **Intermittency function** – The intermittency factor of the control unit is 10%, meaning it can be operated for 1 minute after which it must remain inactive for 9 minutes. If the one-minute limitation is exceeded, the table will become inoperable until the control box resets automatically.
- **Overheating protection** – The table will become inoperable if the overheating protection is triggered and will return to operation automatically once the heat has dissipated sufficiently

Speed – the speed of the table varies with load (see separate diagram)

Memory function – The control unit will retain information regarding the elevation of the table at all times. This information will remain stored even in case of power failure or if the power cable is disconnected from the power outlet.

Soft start – Progressive acceleration allows for soft starts and stops