



DEVAL ENTERPRISE LLP

7, Kalhar Bungalow, Sector 7, Thaltej Shilaj Road, Shilaj
Ahmedabad : 380 058 (INDIA)

ACTUATOR



LA20M

ICU CONTROL SYSTEM



CONTROL BOX



FOOT SWITCH



LIFTING COLUMN



CONTROLLER



Support Service

Yatin Deval 99989 83124
Mitesh Deval 93270 24666



More Information



LOW COST



PROFITABLE



GOOD SERVICE

The actuator is a powerful actuator designed for a variety of med applications. It is developed for both push and pull applications ar robust construction.

Contact US

e-mail : info@devallp.com www.devallp.com

Remote Control :

RCF1 Control Box for 1 pcs linear actuator

Support Service

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Spec:

Type	LA20M Medical hospitals beds parts
Input option	24/12VDC
Max Load	6000N=600KG=1320LBS
Max Speed	40mm/s
Limited switch	Built-in electrical limit switch
Hall sensor	Options
Inner tube material	Aluminum alloy
Duty cycle	10%,max. 2min. continuous working and 18 min.off
Stroke options	0~2000mm/0~80inch
Noise	Less than 48dB
Color	Grey
IP	Max IP66
Certificate	CE,Rohs
Operation temperature	-25℃~+60℃

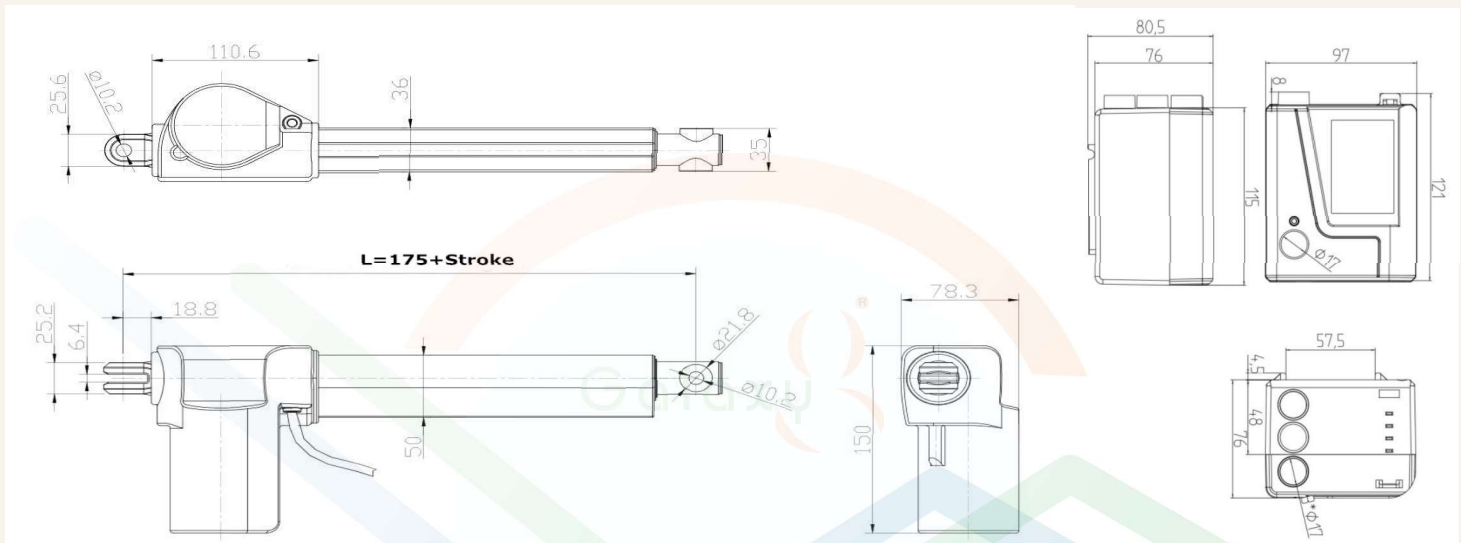
Features :

- **Power : Input : 100-240 VAC , 50/60 Hz; Output: 24VDC**
- The output power is 52.2W in the rated state, and the output power is 72.5W in the working mode .
- Power point light: Yes
- Actuator interface: Max 1 channels, 4-pin actuator straight plug
- Hand controller interface: 1 channels, 8-pin actuator straight plug
- Standby power : maximum 1W (230V)
- Color: gray
- Operating temperature: +5℃ to+40℃
- Storage temperature : - 10℃ to +50℃
- Relative humidity: 20% to 80%(noncondensing)
- Earthing cable : Option

Drawing:

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LA20M have two kinds specifications

- 1 . 5mm/s speed 6000N (Normal one)
2. 7mm/s 3000N (fast release)

Stroke	50	100	150	200	250	300
Lmin	225	275	325	375	425	475
Lmax	275	375	475	575	675	775

Order example:

A — B — C — D — E — F — G
A B C D E F

Input Load Unload speed Stroke Retracted length Cable length

G: customer's special requirement

Drawing:

$L_{min} = 175mm + \text{Stroke}$

L_{min} means the length when linear actuator 100% fully retracts, meanwhile, it will touch the tail limited switch.

$L_{max} = 175mm + 2 * \text{Stroke}$

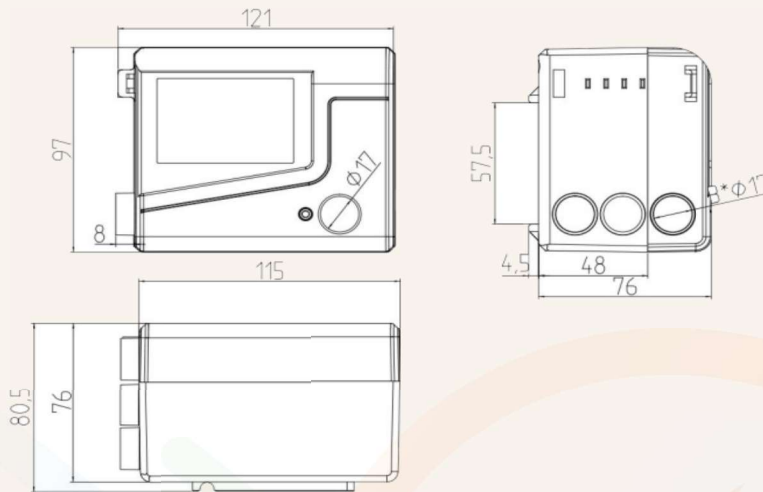
L_{max} means the length when linear actuator 100% fully extends, meanwhile, it will touch the head limited switch.

For Example :

The stroke = 100MM,

L_{min} (retracts hole to hole) = Stroke + 175MM (≥ 175 MM Customized) = 275MM

L_{max} (extends hole to hole) = Lim + Stroke = Stroke * 2 + 175MM (≥ 175 MM Customized) = 375MM



Control idea: relay, service life exceeds 20000 cycles

- Duty cycle: 2/18min @ 25°C; on/off continuous use (72.5W for 120 seconds)
- Weight: 0.9kg
- IP grade: IPX6
- Operation: synchronous drive
- Single channel maximum current: $7 \pm 0.5A$
- Power management: voltage management ensures maximum power operation and limits maximum output power
- Safety system: thermal protection of switching power supply; over-current protection
- Installation: bedstead (by screws)
- Wire clip: all ports have

HSF1C Controller for 1 motor actuator

First Row Function : No.1 actuator up and down



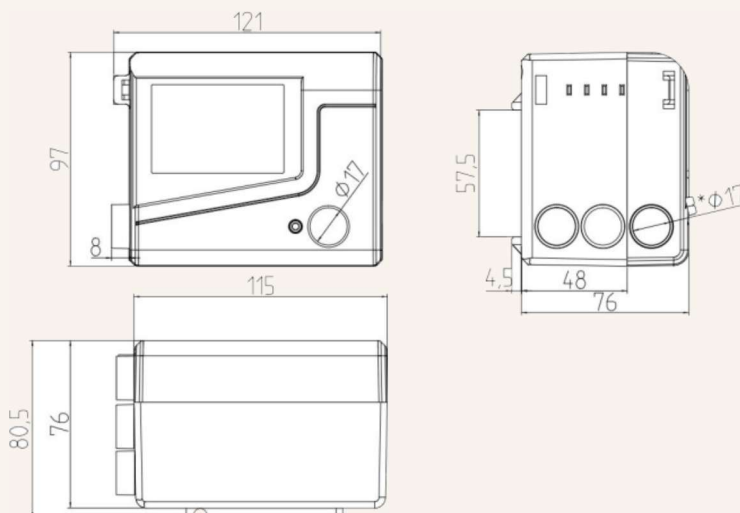
Remote Control :

GX-42 Control Box for 2 pcs linear actuator



Features :

- **Power : Input : 100-240 VAC , 50/60 Hz; Output: 24VDC**
- The output power is 52.2W in the rated state, and the output power is 72.5W in the working mode .
- Power point light: Yes
- Actuator interface: Max 2 channels, 4-pin actuator straight plug
- Hand controller interface: 1 channels, 8-pin actuator straight plug
- Standby power : maximum 1W (230V)
- Color: gray
- Operating temperature: +5°C to +40°C
- Storage temperature : - 10°C to +50°C
- Relative humidity: 20% to 80%(noncondensing)
- Earthing cable : Option



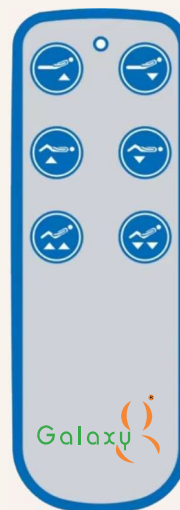
Control idea: relay, service life exceeds 20000 cycles

- Duty cycle: 2/18min @ 25°C; on/off continuous use (72.5W for 120 seconds)
- Weight: 0.9kg
- IP grade: IPX6
- Operation: synchronous drive
- Single channel maximum current: $7 \pm 0.5A$
- Power management: voltage management ensures maximum power operation and limits maximum output power
- Safety system: thermal protection of switching power supply; over-current protection
- Installation: bedstead (by screws)
- Wire clip: all ports have

GX-H-42 Controller for 2 motor actuator

First Row Function : No.1 actuator up and down

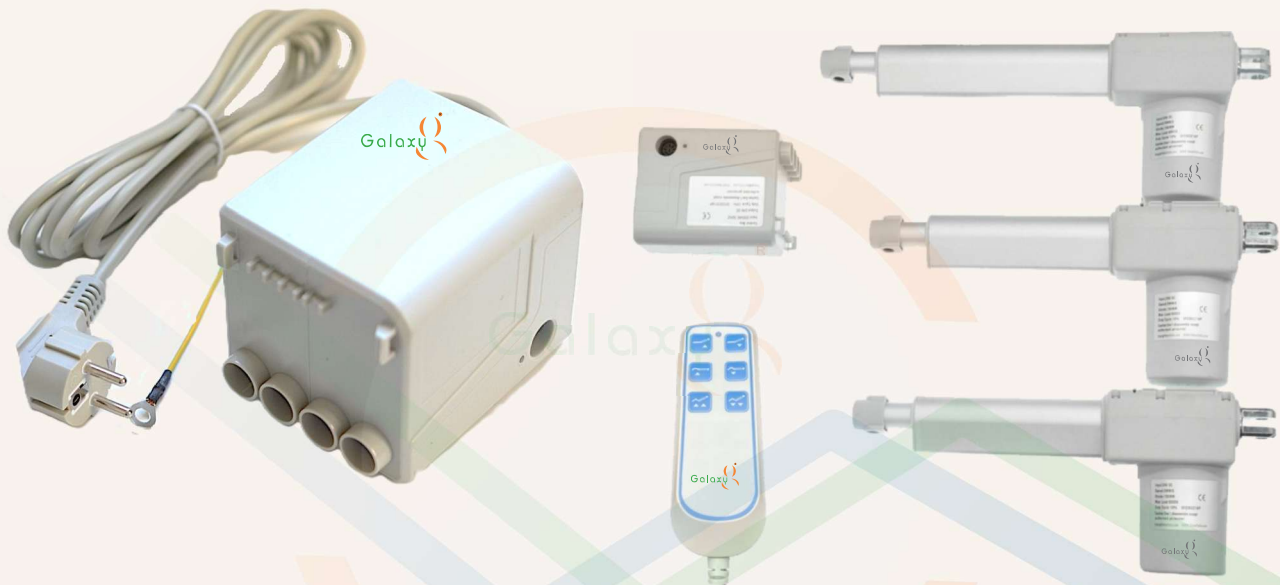
Second Row Function : No.2 actuator up and down



Option

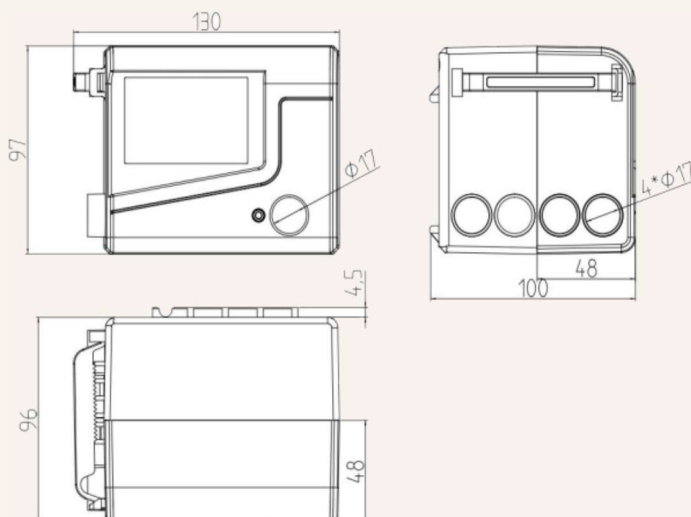
Remote Control :

GX-43 Control Box for 3 pcs linear actuator



Features :

- **Power : Input : 100-240 VAC , 50/60 Hz; Output: 24VDC**
- The output power is 52.2W in the rated state, and the output power is 72.5W in the working mode .
- Power point light: Yes
- Actuator interface: Max 3 channels, 4-pin actuator straight plug
- Hand controller interface: 1 channels, 8-pin actuator straight plug
- Standby power : maximum 1W (230V)
- Color: gray
- Operating temperature: +5°C to +40°C
- Storage temperature : - 10°C to +50°C
- Relative humidity: 20% to 80%(noncondensing)
- Earthing cable : Option



Control idea: relay, service life exceeds 20000 cycles

- Duty cycle: 2/18min @ 25°C; on/off continuous use (320W for 120 seconds)
- Weight: 0.9kg
- IP grade: IPX6
- Operation: synchronous drive
- Single channel maximum current: $7 \pm 0.5A$
- Power management: voltage management ensures maximum power operation and limits maximum output power
- Safety system: thermal protection of switching power supply; over-current protection
- Installation: bedstead (by screws)

GX-H-43 C Controller for 3 motor actuator

First Row Function : No.1 actuator up and down

Second Row Function : No.2 actuator up and down

Third Row Function: No.1 actuator and No.2 up and down

he Forth Row Function :No.3 actuator up and down



GX-H-43 CPR Controller for 3 motor actuator

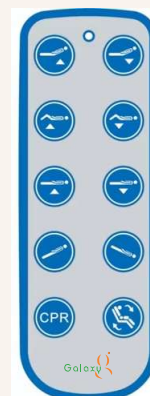
First Row Function : No.1 actuator up and down

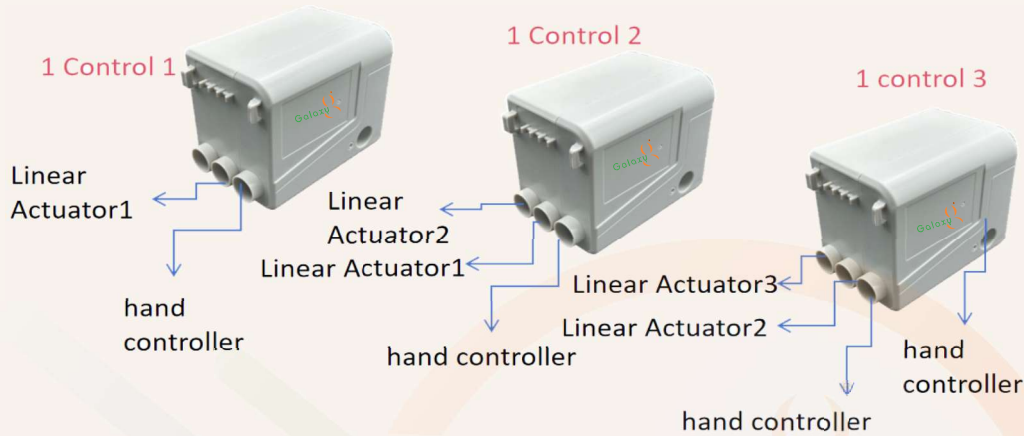
Second Row Function : No.2 actuator up and down

Third Row Function: No.1 actuator and No.2 up and down

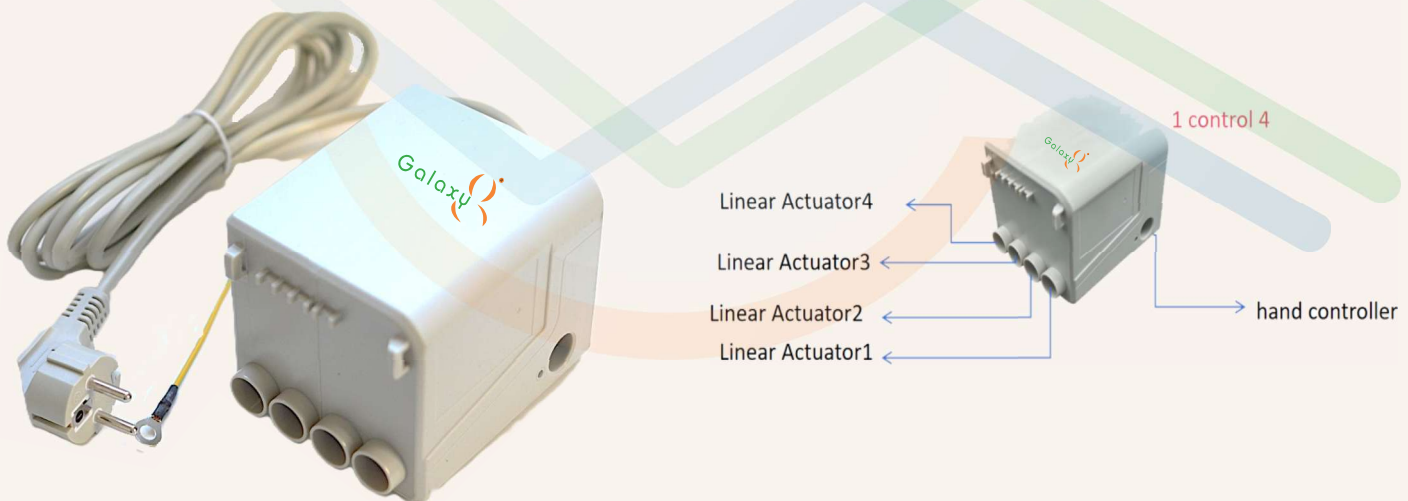
he Forth Row Function :No.3 actuator up and down

CPR function : All actuators come back





GX-44 Control Box for 4pcs linear actuator

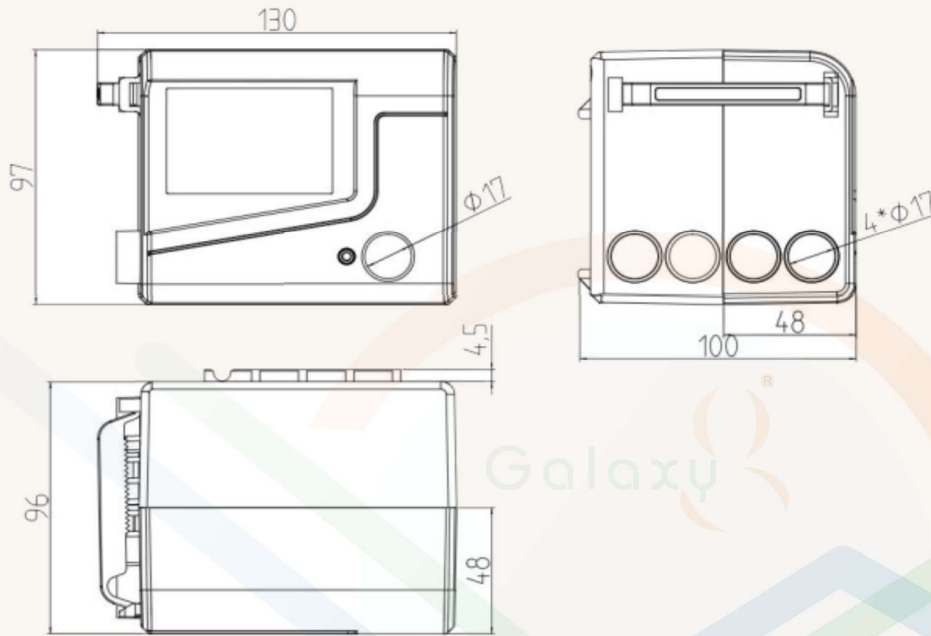


Features

- Power: Input _ 100-240 VAC, 50/60 Hz;
The output power is 52.2W in the rated state
The output power is 72.5W in the working mode
- Power point light: Yes
- Actuator interface: Max 4 channels, 4-pin actuator straight plug
- Hand controller interface: 1 channels, 8-pin actuator straight plug
- Standby power : maximum 1W (230V)
- Color: gray
- Operating temperature: +5°C to +40°C
- Storage temperature : - 10°C to +50°C
- Relative humidity: 20% to 80 % (noncondensing)



- Earthing cable : Option



- Control idea: relay, service life exceeds 20000 cycles
- Duty cycle: 2/18min @ 25°C; on/off continuous use (320W for 120 seconds)
- Weight: 0.9kg
- IP grade: IPX6
- Operation: synchronous drive
- Single channel maximum current: $7 \pm 0.5A$
- Power management: voltage management ensures maximum power operation and limits maximum output power
- Safety system: thermal protection of switching power supply; over-current protection
- Installation: bedstead (by screws)

HSF4C Controller for 4 motor actuator

First Row Function : No.1 actuator up and down

Second Row Function : No.2 actuator up and down

Third Row Function: No.1 actuator and No.2 up and down

he Forth Row Function :No.3 actuator up and down

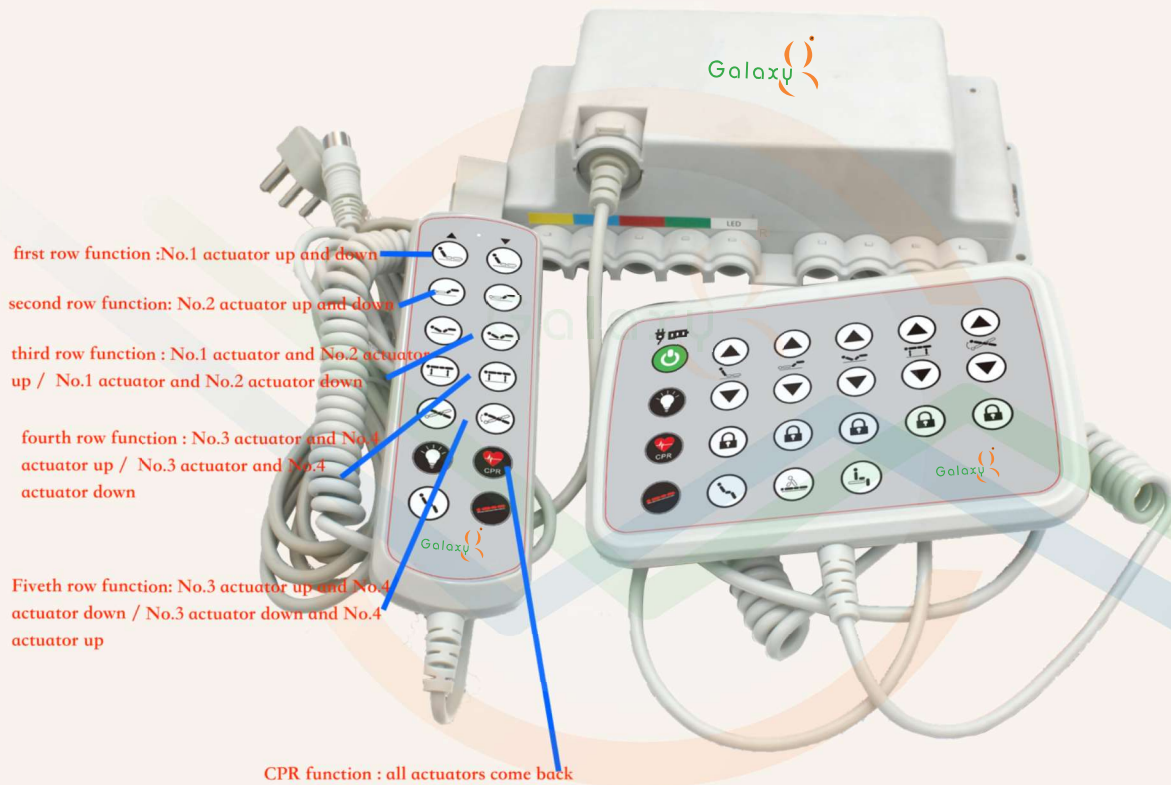
he Fifth Row



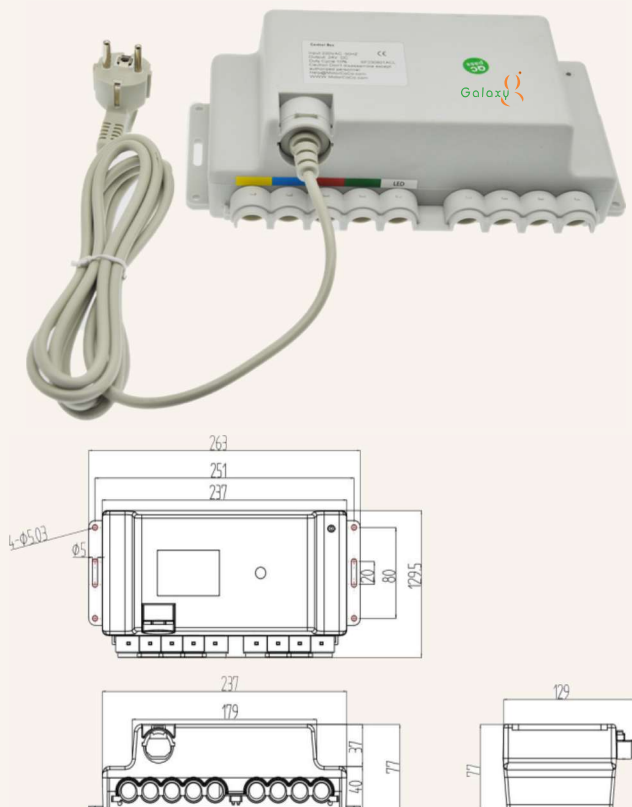
ICU Remote Control

Support Service

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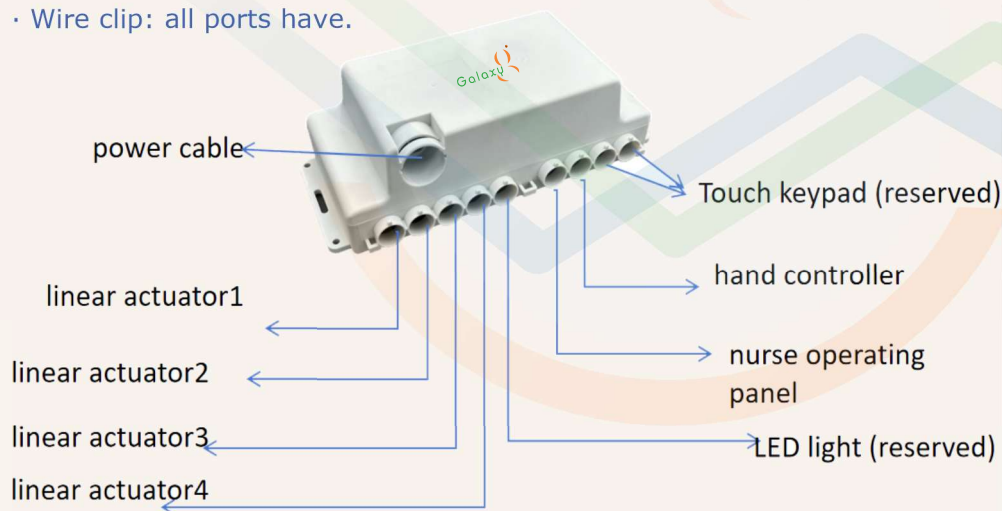
Control Box for ICU remote control



Features

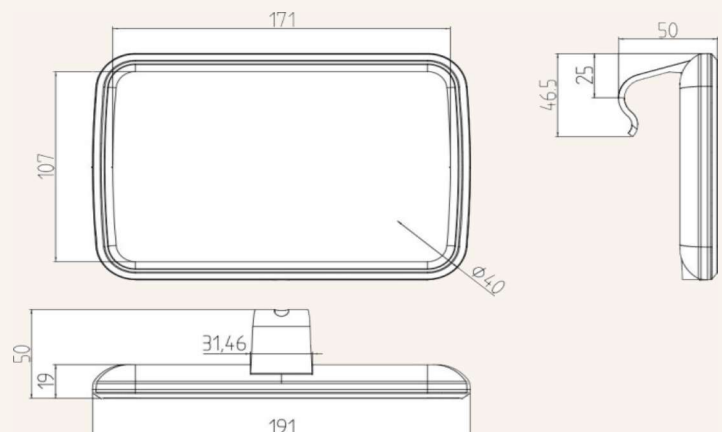
- Power: Input _ 100-240 VAC, 50/60 Hz;
The output power is 52.2W in the rated state
The output power is 72.5W in the working mode
- Power point light: Yes
- Actuator interface: Max. 4 channels, 4-pin actuator straight plug
- Hand controller interface: 1 channels, 5-pin actuator straight plug
- Built-in battery connector
- Standby power : maximum 1W (230V)
- Color: gray
- Operating temperature: +5°C to +40°C
- Storage temperature : -10°C to +50°C
- Relative humidity: 20% to 80(noncondensing)
- Earthing cable : Option

- Control idea: MOS cable, noiseless operation and long service life
- Duty cycle: 2/18min @ 25°C; on/off continuous use (320W for 120 seconds)
- Weight: 0.9kg
- IP grade: IPX6
- Operation: synchronous drive
- Single channel maximum current: $7 \pm 0.5A$
- Power management: voltage management ensures maximum power operation and limits maximum output power
- Safety system: thermal protection of switching power supply; over-current protection
- Installation: bedstead (by screws)
- Wire clip: all ports have.



Controller :

ICU Nurse Operation Controller



Features

- IP grade: IPX6
- Button amount: Max.22 buttons
- 4 actuators move synchronized
- Color: off-white



Support Service

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- Control box: suit with GTKZ-ICU control box
- Existing conventional configuration: conventional four-action five-function with CPR
- Plug and cable: 4-core wire
- The color and style of the panel could be designed

Handset Controller for ICU



First Row Function : No.1 actuator up and down

Second Row Function : No.2 actuator up and down

Third Row Function: No.1 actuator and No.2 up and down

he Forth Row Function :No.3 actuator up and down

he Fifth Row Function: No.3 actuator up / No.4 actuator down simultaneously

- Flick switch ensures long life
- 4 actuators move synchronized
- Color: gray
- Controller matching: matching GTKZ-ICU controller
- Easy to operate with both left and right hands
- The color and style of the panel could be designed
- Operating temperature: +5°C to +40°C
- Storage temperature : -10°C to +50°C
- Relative humidity: 20% to 80%(non-condensing)
- Atmospheric pressure: 860 to 1060 hPa

Features

- IP grade:IPX6
- Button amount: Max.14 buttons
- Altitude up to 2000m

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