

# Double Motor - Twinmat

## 01RQ41 / 01RQ61

01RQ41 / 01RQ61 features high force and low noise level. It is designed with patent listed and suitable for applications of adjustable beds.



### Feature

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- Main applications: Furniture, homecare
- Max. load: 2 x 4500N (01RQ41) / 2 x 6000N (01RQ61)
- Max. speed at no load: 5 mm/sec
- Stroke: 29 ~ 87 mm
- Input voltage: 100V AC / 120V AC / 230V AC (transformer) or 100 ~ 240V AC (SMPS)
- Max. number of controls: 1 channel
- Max. number of additional actuators: 2 channels (24V DC)
- Power supply: 24V EI transformer
- Protection class: Class II
- AC Power cord length: 3000 mm
- Noise level:  $\leq 55$ dB
- IP Protection level: IP43
- Color: black
- Duty cycle: 10%, max. 2 min. continuous operation in 20 min.
- Emergency lowering against power outage, to retract double motor with 9V batteries (not included)
- Ambient operation temperature: -20°C ~ +65°C
- Certified: CE marking, EMC Directive 2014/30/EU

## Option

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- Version 1: Standard
- Version 2: Built-in RF module
- Version 3: Position memory with Hall effect sensors
- Internal switch mode power supply
- External switch mode power supply
- IP Protection level: IP54
- Socket to support external actuators
- Color: Light gray (RAL 7035)

## Compatibility

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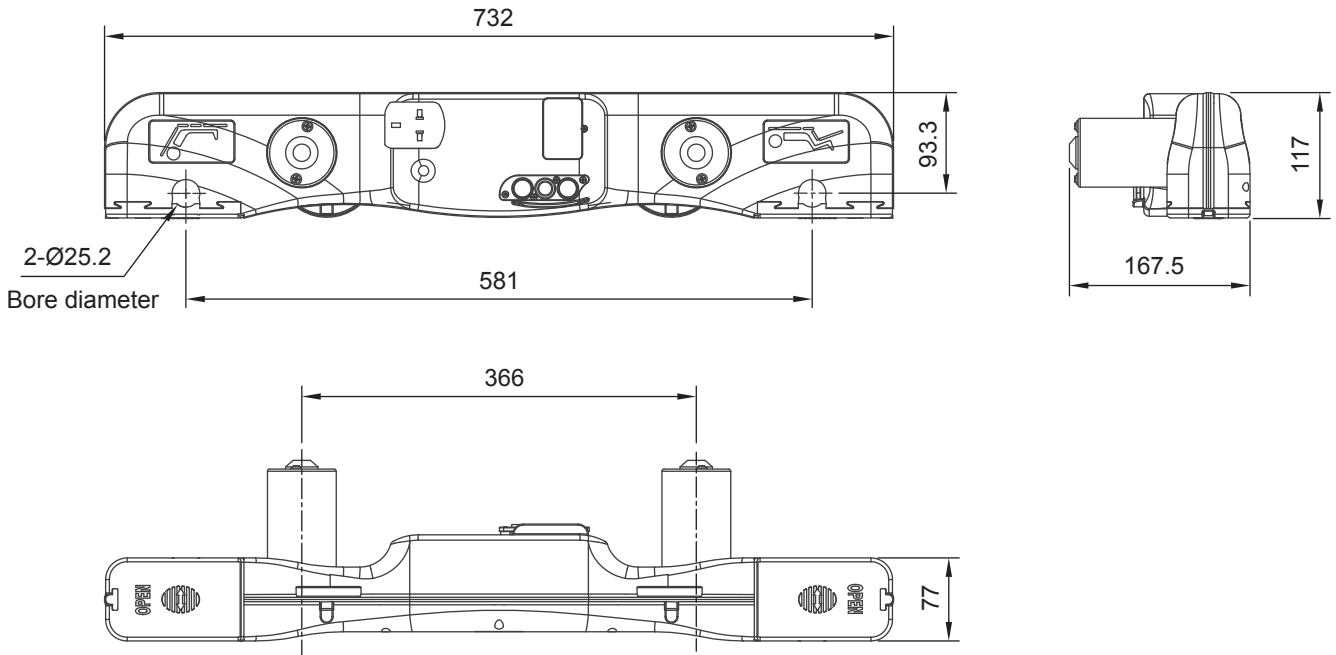
### Without memory function (Version 1, 2)

Product	Model	Compatible requirement
<b>Hand control</b>	01GX, 01GS, 01GD, 01GU, 01GH, 01GN, 01G2B, 01G3B, 01G3BR, 01GR, 01G3R, 01G4B, 01G2L	- Control category P1 - With A-type DIN plug
<b>Wireless option</b>	Wireless control: 01RZG3, 01RZR7, 01RZ2R, 01RZL	
	RF receiver adapter: 01RZP4	- Control category P1 - With A-type DIN plug
	01RVP3 bluetooth adapter	- Control category P1 - With A-type DIN plug
<b>Actuator</b>	01DS60, 01DS61	- 24V DC, max. 3A current - With A2-type DIN 41529 plug

### With memory function (Version 3)

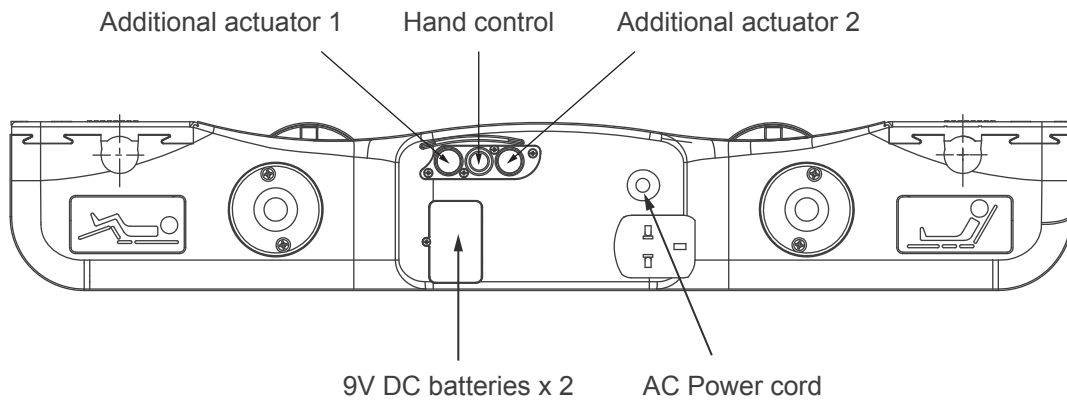
	Model	Compatible requirement
<b>Hand control</b>	01GU, 01G3B, 01G4B	- Control category S1 - With A-type DIN plug
<b>Wireless option</b>	Wireless control: 01RZG4, 01RZR10, 01RZ2R, 01RZL	
	RF receiver adapter: 01RZP5	- Control category S1 - With A-type DIN plug
	01RVP4 bluetooth adapter	- Control category S1 - With A-type DIN plug

## Dimensions

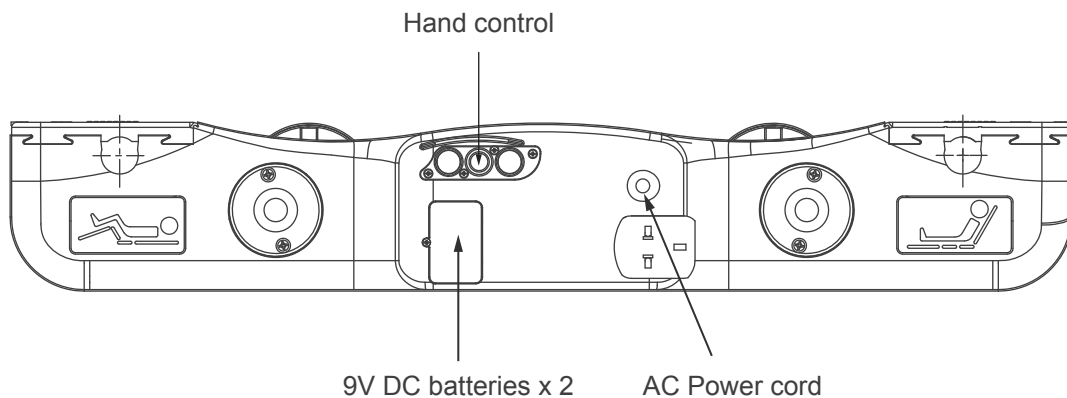


## I/O Introduction

### Without memory function



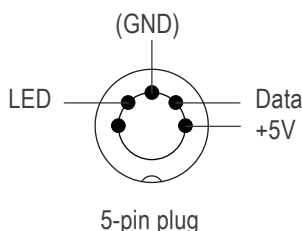
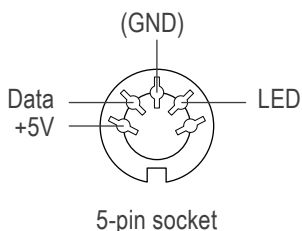
### With memory function



## Socket

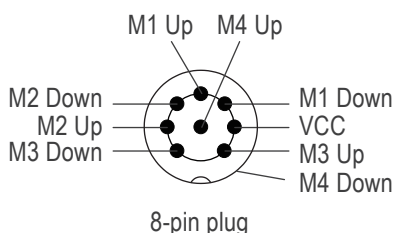
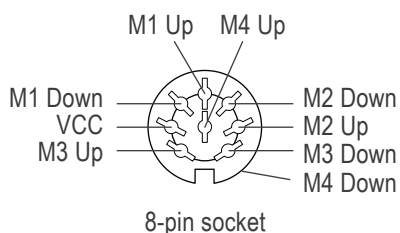
### ➤ Hand control socket (for A-type DIN plug)

#### ▶ With memory function (control category S1)

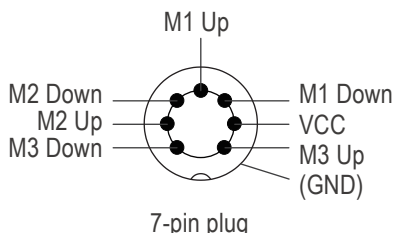
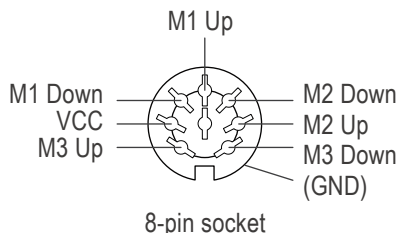


A-type

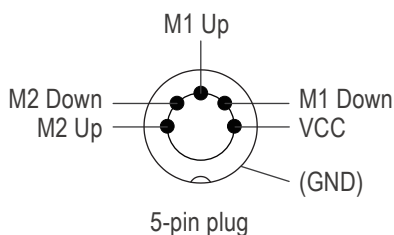
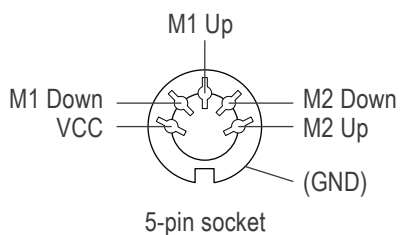
#### ▶ Without memory function (control category P1) - 4 drives model



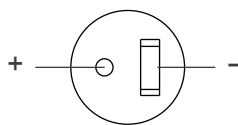
#### - 3 drives model



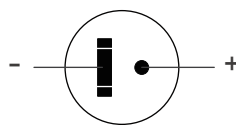
#### - 2 drives model



### ➤ External actuator socket (for A2-type DIN 41529 plug)



DIN 41529 socket



DIN 41529 plug



A2-type

## Ordering Key

### > Version 1: Standard

01RQ 6 1- ISW1 - 87 - 69 - 1 - 4 - 54 3 2 1

<b>Max. load</b>	4: 4500N 6: 6000N
<b>Input voltage</b>	100: Transformer 100V AC 120: Transformer 120V AC 230: Transformer 230V AC TSW1: External SMPS (100~240V AC) TSW2: External SMPS (100~240V AC, with battery compartment for emergent lowering) ISW1: Internal SMPS (100 ~ 240V AC)
<b>Stroke for back</b>	29 ~ 87 mm
<b>Stroke for leg</b>	29 ~ 87 mm
<b>Socket for control</b>	1: 1 socket
<b>Number of drive</b>	2: 2 motors 3: 2 motors + 1 additional socket 4: 2 motors + 2 additional sockets
<b>IP Protection level</b>	Blank: None 54: IP54
<b>Cable</b>	3: Straight 3000mm
<b>Bore diameter</b>	2: 25.2mm (standard) 6: 25.6mm
<b>Battery</b>	0: None 1: With 9V DC battery x 2

> Version 2: Built-in RF module

01RQ 6 1- ISW1 - 87 - 69 - 1 - 2 - RF - 54 3 2 1

<b>Max. load</b>	4: 4500N 6: 6000N
<b>Input voltage</b>	100: Transformer 100V AC 120: Transformer 120V AC 230: Transformer 230V AC TSW1: External SMPS (100~240V AC) TSW2: External SMPS (100~240V AC, with battery compartment for emergent lowering) ISW1: Internal SMPS (100 ~ 240V AC)
<b>Stroke for back</b>	29 ~ 87 mm
<b>Stroke for leg</b>	29 ~ 87 mm
<b>Socket for control</b>	1: 1 socket
<b>Number of drive</b>	2: 2 motors
<b>Version 2</b>	RF: Built-in RF module
<b>IP Protection level</b>	Blank: None 54: IP54
<b>Cable</b>	3: Straight 3000mm
<b>Bore diameter</b>	2: 25.2mm (standard) 6: 25.6mm
<b>Battery</b>	0: None 1: With 9V DC battery x 2

> Version 3: Position memory with Hall effect sensors

01RQ 6 1- ISW1 - 87 - 69 - 1 - 2 - HS - 54 3 2 1

<b>Max. load</b>	4: 4500N 6: 6000N
<b>Input voltage</b>	100: Transformer 100V AC 120: Transformer 120V AC 230: Transformer 230V AC TSW1: External SMPS (100~240V AC) TSW2: External SMPS (100~240V AC, with battery compartment for emergent lowering) ISW1: Internal SMPS (100 ~ 240V AC)
<b>Stroke for back</b>	29 ~ 87 mm
<b>Stroke for leg</b>	29 ~ 87 mm
<b>Socket for control</b>	1: 1 socket
<b>Number of drive</b>	2: 2 motors
<b>Version 3</b>	HS: Position memory with Hall effect sensors
<b>IP Protection level</b>	Blank: None 54: IP54
<b>Cable</b>	3: Straight 3000mm
<b>Bore diameter</b>	2: 25.2mm (standard) 6: 25.6mm
<b>Battery</b>	0: None 1: With 9V DC battery x 2