

# Control Box

## T-control

T-control is a compact control box typically applies to furniture and home care beds. The control box possesses high compatibility to various wired and wireless controls and is designed to be easily mounted on FD60 actuator or other flat surface with a mounting plate.

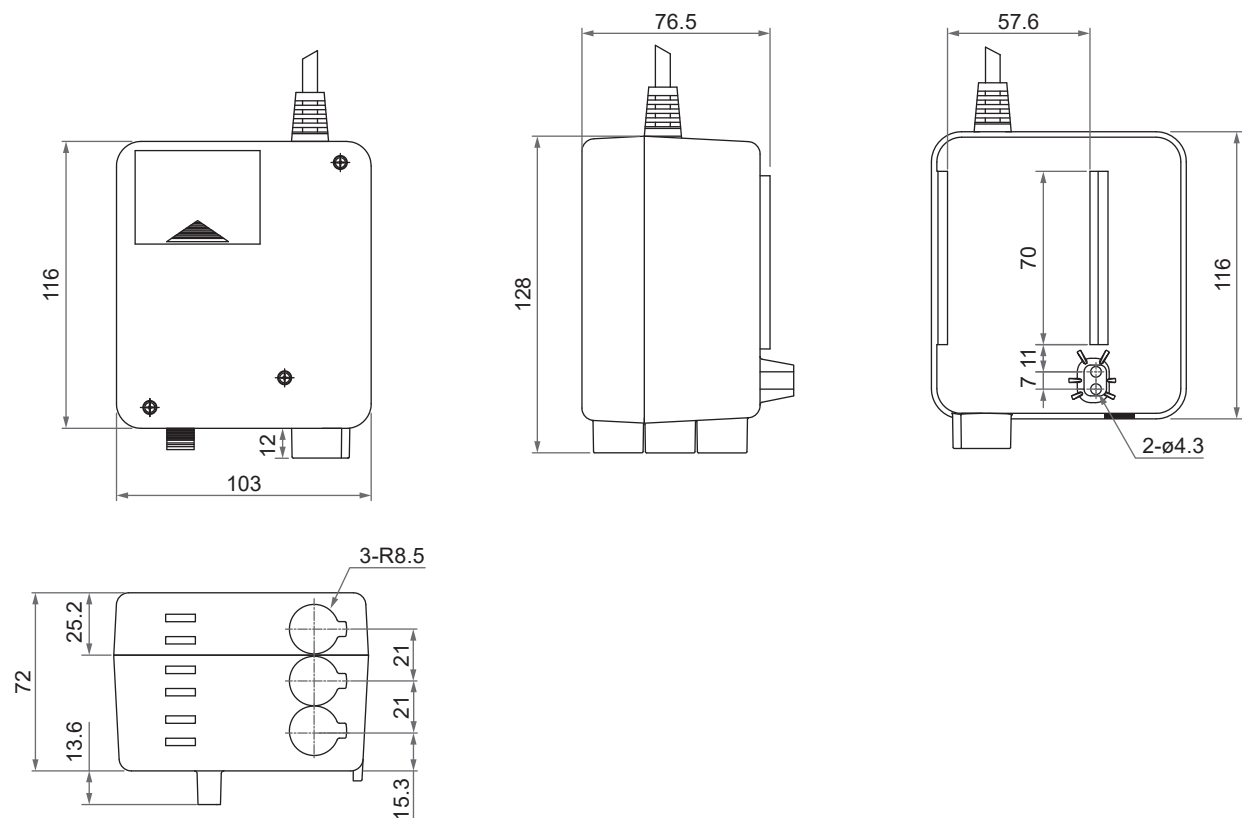


### Features

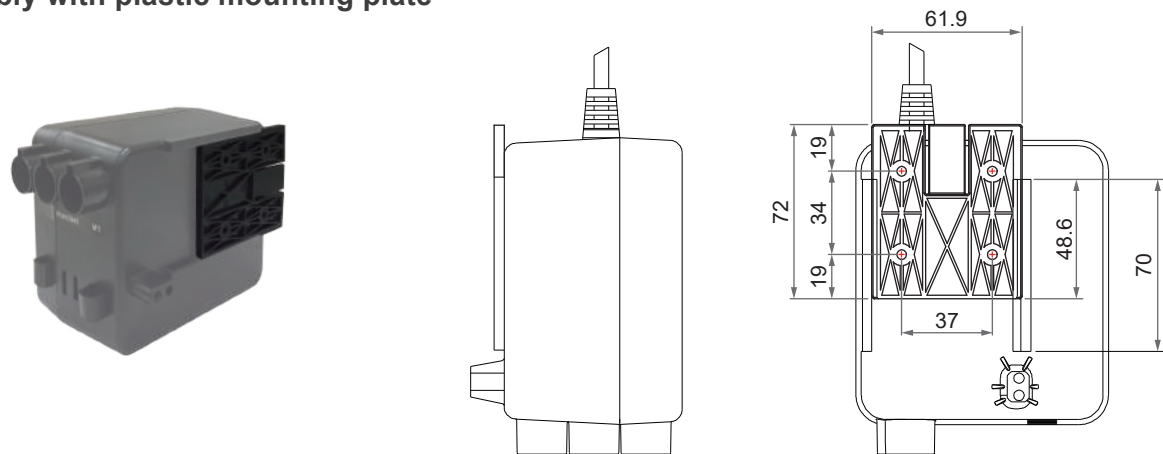
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- Main applications: Furniture, Home care
- Input: 100 / 120 / 230V AC (EI transformer), 100 ~ 240V AC, 50/60Hz (SMPS)
- Output voltage: 24V DC (EI transformer), 29V DC (SMPS)
- Output rated current: 3.0A in total
- Max. number of actuators: 3 channels
- Max. number of controls: 1 channel
- Duty cycle: 10%, max. 2 min. continuous operation in 20 min.
- Over-current protection function
- Emergency lowering against power outage, to retract actuators with 9V batteries (not included)
- Color: Black, grey RAL 7001
- Electric shock protection level: Class II
- Power cord: 3000mm
- Mounting: Attached to FD60 actuator or assembly with mounting plate to fix the wall (Refer to *Dimensions*)
- Certified: UL1310, PSE, C-Tick, CE Marking, EMC Directive 2014/30/EU and 2014/35/EU, EMF EN62233, IEC60068, ISTA

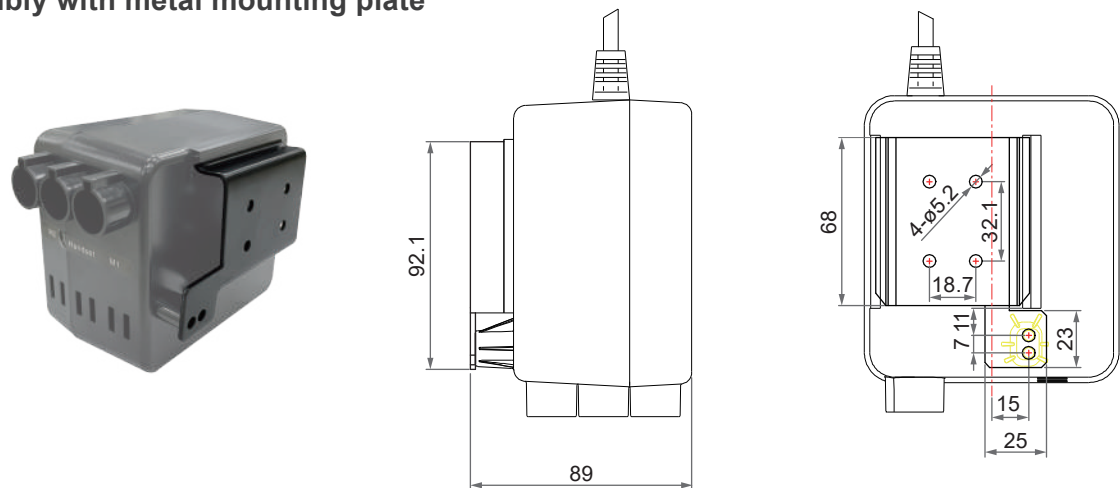
# Dimensions



## Assembly with plastic mounting plate



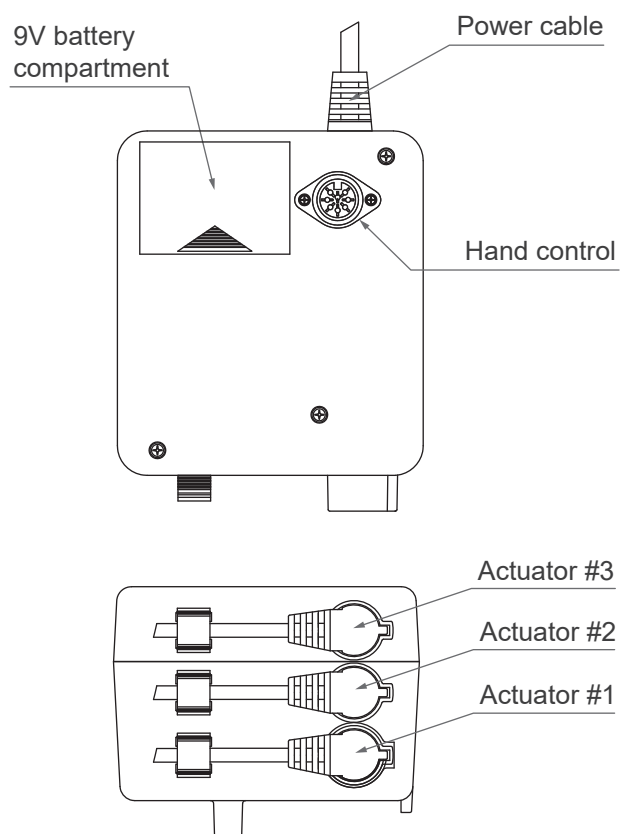
## Assembly with metal mounting plate



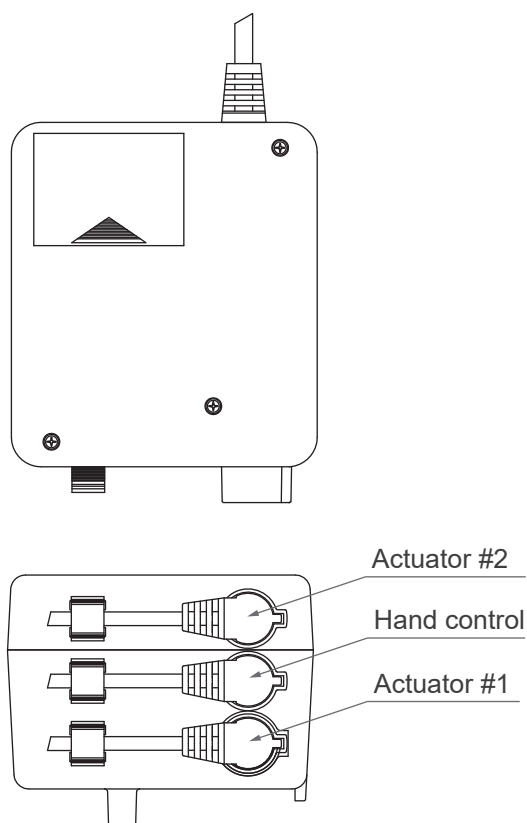
Unit: mm

## I/O Introduction

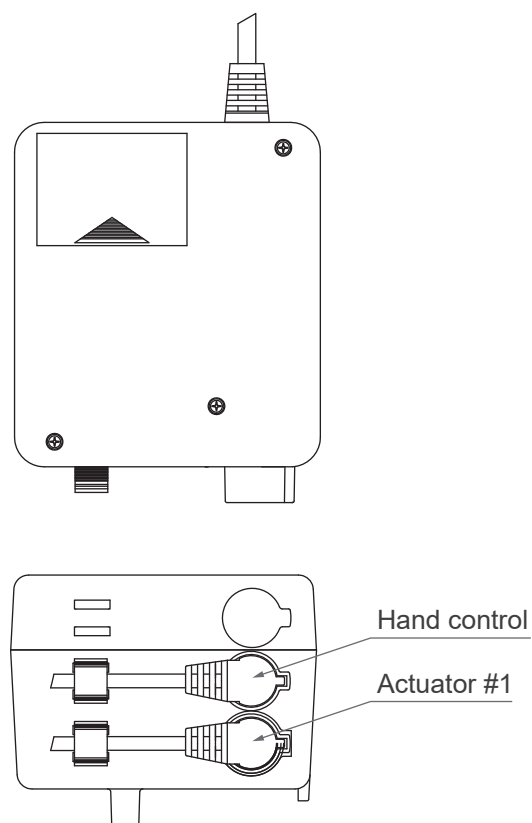
- 3 drives model



- 2 drives model



- 1 drive model



# Compatibility

Product	Model	Compatible requirement
Actuator	BD61, BD62, FD40, FD60*, FD61, GD70	<ul style="list-style-type: none"><li>Without positioning sensors</li><li>With Moteck F-type DIN plug</li></ul>
Hand control	DKP4, DP05, DP11, HDU, HR, HD, HJ, HM, H2N, H2Z, H3NT	<ul style="list-style-type: none"><li>Moteck P1 control category</li><li>With Moteck F-type DIN plug</li></ul>
Wireless option	TXA 2.4GHz RF adapter TBA Bluetooth adapter	<ul style="list-style-type: none"><li>Moteck P1 control category</li><li>With Moteck F-type DIN plug</li></ul>

\* **Remarks:**  
T-control box can be attached to FD60 actuator.

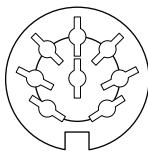


T-control + FD60

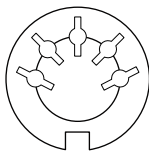
## Socket

### Hand control socket for Moteck F-type DIN plug

- 3 drives model
- 1 drive model / 2 drives model

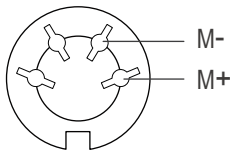


8-pin socket



5-pin socket

### Actuator socket for Moteck F-type DIN plug



4-pin socket



F-type plug

**Note:** Connect M+ to “Vdc +” & M- to “Vdc -“ of DC power to extend the motor.  
Switch the polarity of DC input to retract it.

## Ordering Key

**T 230 - 24 - 3 - 0 B**

<b>Input</b>	<b>100:</b> 100V AC <b>120:</b> 120V AC <b>230:</b> 230V AC <b>IS2:</b> Internal SMPS (100 ~ 240V AC)
<b>Output</b>	<b>24:</b> 24V DC
<b>Number of actuators</b>	<b>1:</b> 1 channel <b>2:</b> 2 channels <b>3:</b> 3 channels
<b>Mounting</b>	<b>0:</b> Attached to FD60 actuator (standard) <b>1:</b> Assembly with plastic mounting plate <b>2:</b> Assembly with metal mounting plate
<b>Color</b>	<b>B:</b> Black (standard) <b>G:</b> Grey RAL 7001



For more information about operating guide, refer to the respective product data sheets of the control devices connected.

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