

# Hand Control TPSL

TPSL is a touch controller designed for electric recliner. No need for a control box, the TPSL can be connected to the direct-cut power cable of the actuator, and combined with a power adapter to form a simple control system.

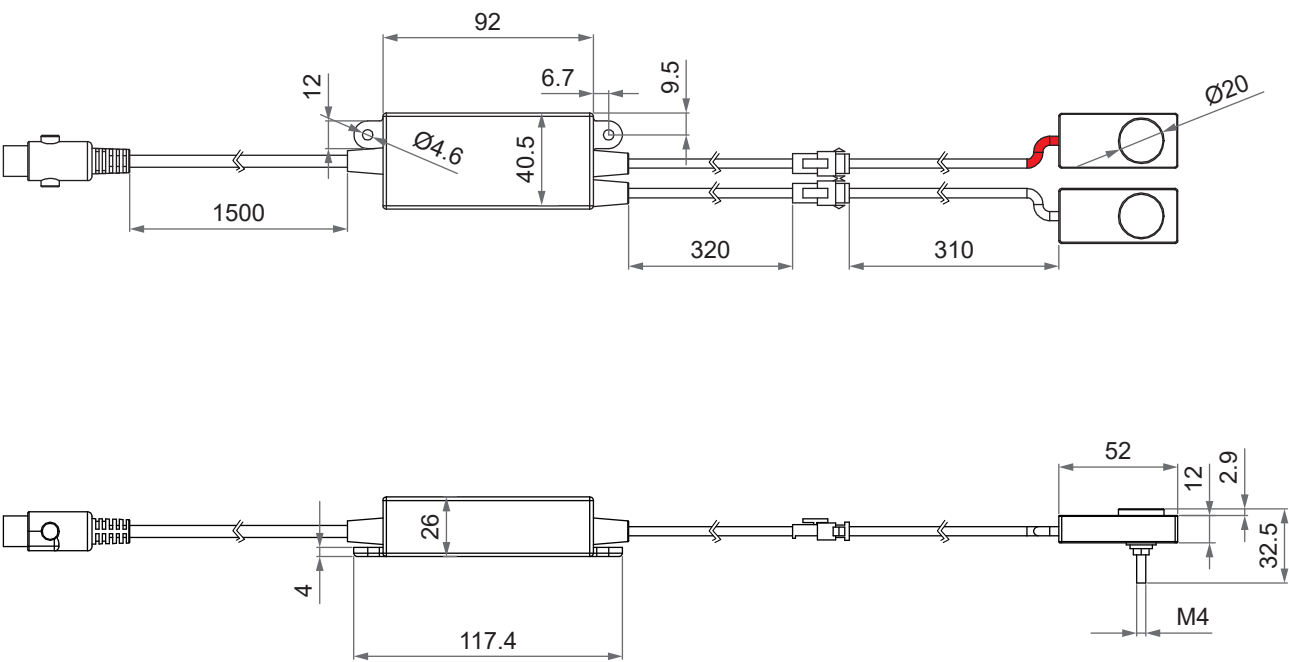


## Features

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- Main application: Furniture
- Input / Output voltage: 29 V DC
- Input / Output current: 2A
- Max. motor number to control: 1
- Number of touch buttons: 2
- Duty cycle: 10%, max. 2 min. continuous operation in 20 min.
- DC power control cable length: 1500mm, straight

Dimensions



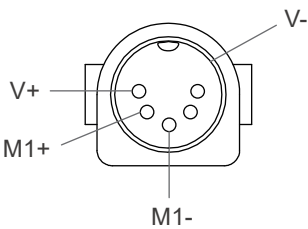
Unit: mm

Compatibility

Product	Compatible models	Compatible requirement
Actuator	BD21, BD23, BD62, FD10, FD20, FD40, MD10, MK33	With Moteck direct-cut power cable DL1

Cable Plug

- Compatible with the control connector of direct-cut power cable DL1

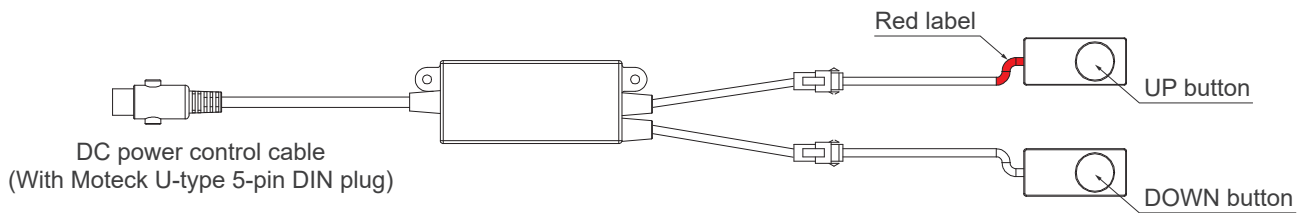


With Moteck U-type 5-pin DIN male plug  
(Moteck pinout: C-DIN-51R)



# User Guide

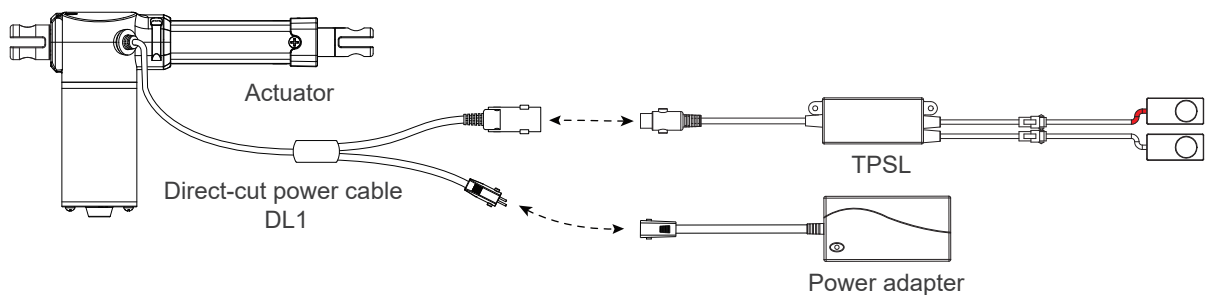
## Installation



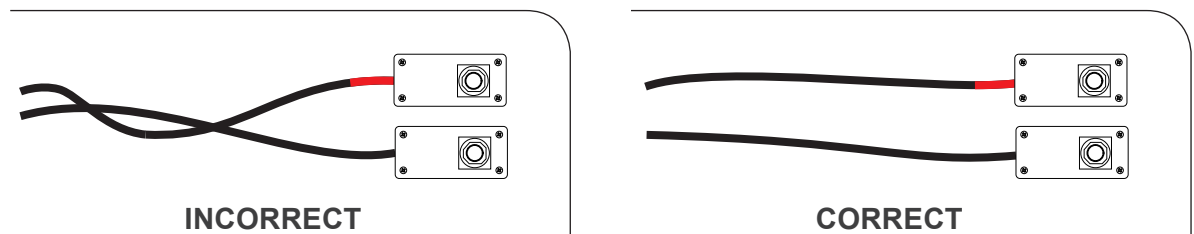
### Note:

1. Touch the UP/DOWN button to extend/retract actuator. When the button is not touched, the actuator stops immediately.
2. A red label is attached to the button wire, indicating it is the extend key.

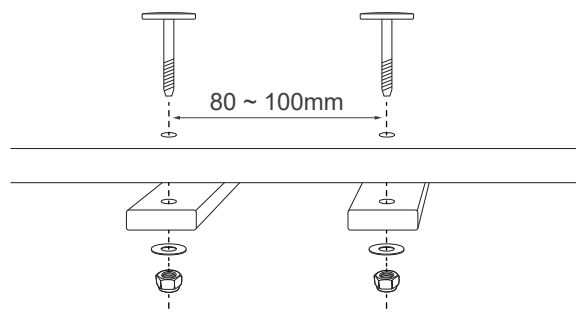
**Step 1:** To connect all parts and make sure that they are well connected including a TPSL, an actuator and a power adapter before use. As shown below (Take FD20 actuator as an example).



**Step 2:** When arranging 2 button wires, the two wires should be prevented from twisting together. Please keep 30 to 50mm distanced from each when arranging the wires inside of sofa.



**Step 3:** Pass the touch buttons through the holes in the wood frame and fasten the nuts to fix them, please keep 80 to 100mm distanced from each.



**Step 4:** Be careful with glue when assembling the sofa, glue can rust metal touch buttons. For the end user, do not use any solvents to clean the touch buttons. Only use a soft cloth dampened with water to clean the touch buttons and keep them dry.

## Applicable Usage Condition

1. This product is only suitable for indoor applications (protection class IP20). All electronic components are not allowed to work in water or wet conditions.
2. It is normal and safe for the product to rise to 50°C at room temperature of 25°C if it is not covered by anything. The product must not be covered by any insulating material such as clothing or sponge to ensure good heat dissipation.

## Supplementary Instructions for Usage

1. After the system is powered on, the control system is initialized, and the user needs to wait less than 3 seconds to use the TPSL normally.
2. When the user touches the button too often in a short period of time, the system will enter a self-protection mode to protect all electronic components. After suspending operation for about 10 seconds, TPSL can resume normal operation.

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