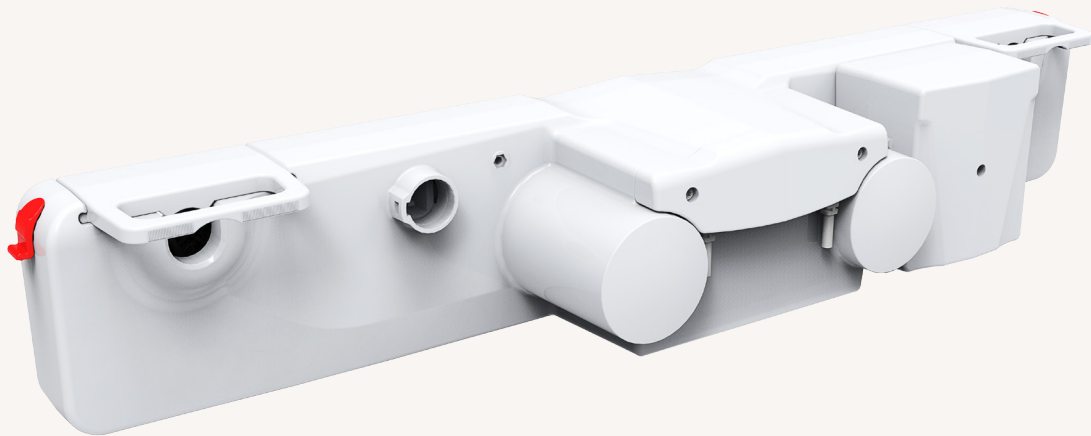


# TT1

## series



### Product Segments

- **Care Motion**

TiMOTION's economical TT1 series twin spindle actuator is specifically designed for home care and patient care facility beds. The TT1 electrical controls come standard with a range of voltages for use in multiple countries.

It is also equipped with a SMPS transformer and has less than 0.5W of standby power consumption. A sophisticated housing design, with reliable mechanical stability, provides an alternative motor solution for various medical beds.

#### General Features

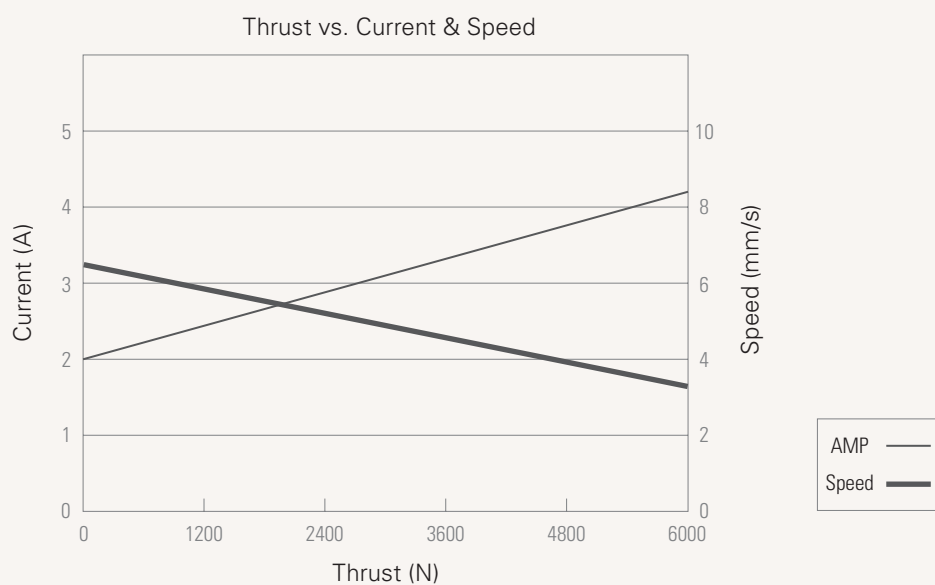
Main voltage	100~240V AC (input); SMPS 29V DC, 2.5A (output)
Maximum load	6,000N in push only
Dimension between shaft	581mm
Maximum speed at full load	4.6mm/s (with 6,000N in a push condition)
Stroke	87mm for backrest; 69mm for footrest

## Load and Speed

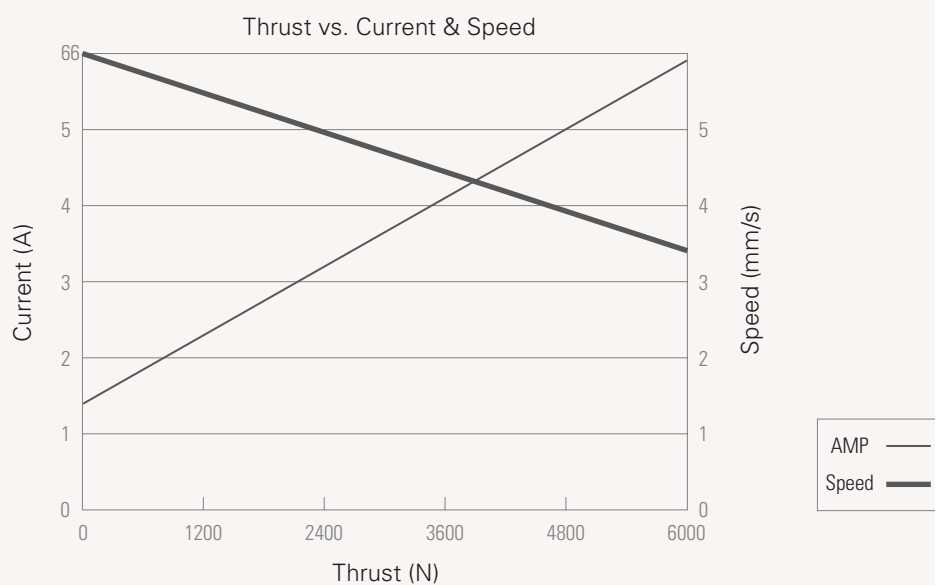
CODE	Rated Load		Typical Current at Rated Load (A)	Typical Speed	
	PUSH N	PULL N		No Load (29V DC) mm/s	Rated Load (29V DC) mm/s
Motor Speed (2600RPM)					
D	6000	0	3.5	5.2	3.5
Motor Speed (3400RPM)					
B	6000	0	3.5	6.8	4.6

## Performance Data

### Code D



### Code B

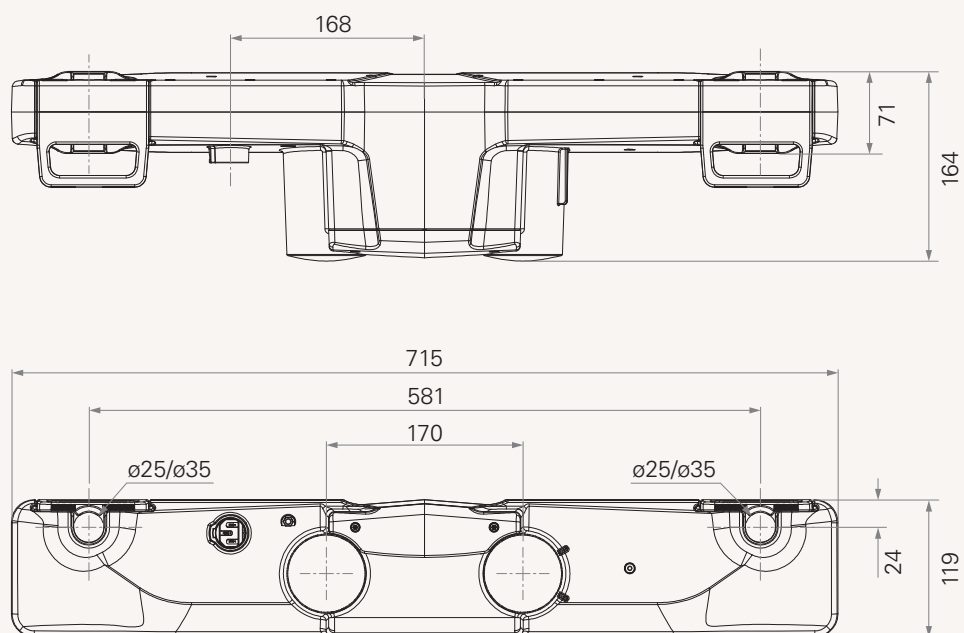


### Note

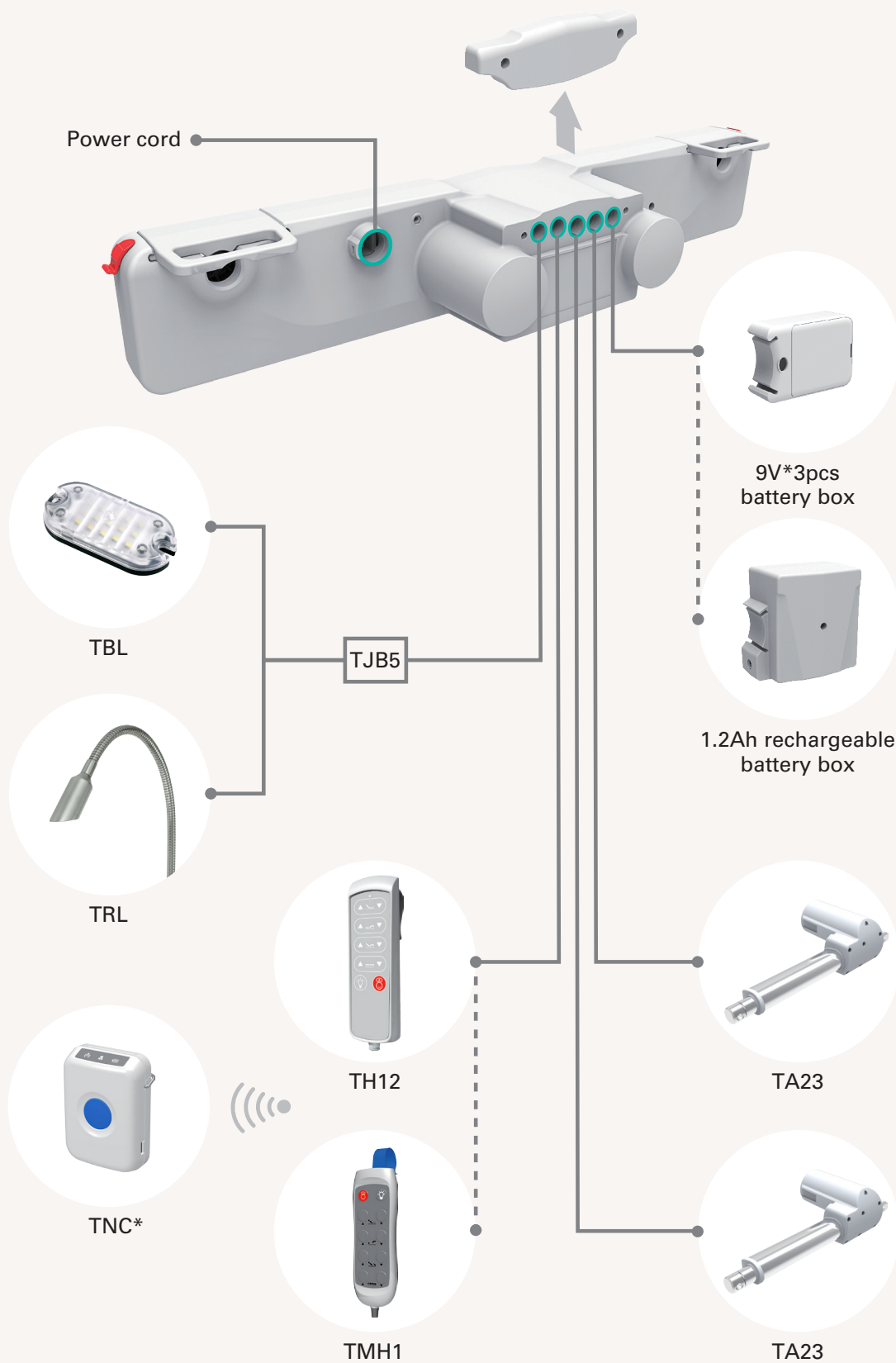
1 The performance data in the curve charts shows theoretical value only.

## Drawing

Standard Dimensions  
(mm)



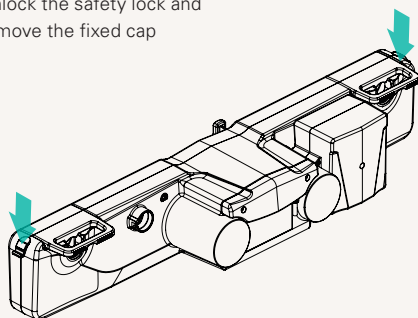
## Connections



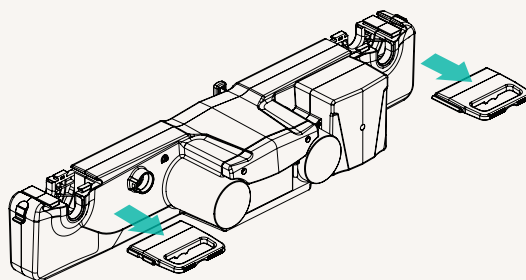
\*Note: if choosing this accessory, it can only work with TT1 without MCU.

## Installation Guide

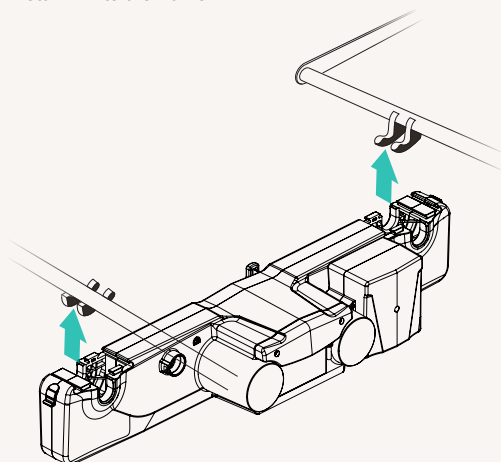
- 1 Unlock the safety lock and remove the fixed cap



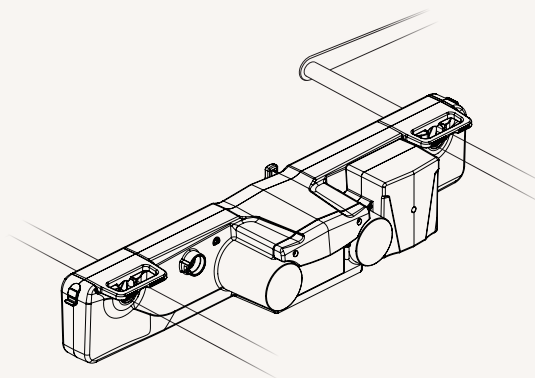
- 2 Remove the cover



- 3 Install TT1 to the frame



















- 4 Reinstall the cover



# TT1 Ordering Key

TT1

Version: 20141112-E

	<b>Voltage</b>	1 = 100V AC	4 = 100~240V AC	
	<b>Motor</b>	2 = 24V		
	<b>Load and Speed</b>	See page 2		
	<b>Plug</b>	1 = EU 2 = US	3 = AUS 4 = UK	5 = JPN A = Others
	<b>Axle Dimension</b>	1 = ø25mm Note : axle distance 581mm	2 = ø35mm	
	<b>Stroke</b>	1 = Back rest 87mm, leg rest 69mm		
	<b>Color</b>	2 = Grey (Pantone 428C)		
	<b>IP Rating</b>	1 = Without Note : please follow TiMOTION standard installation guide	2 = IPX6	
	<b>Quick Release</b>	0 = Without		
	<b>Output Signals</b>	0 = Without		
	<b>Extra Channels for Motors</b>	0 = 0	1 = 1	2 = 2
	<b>Extra Channels for Handsets</b>	1 = 1	2 = 2	
	<b>Cable Length</b>	1 = Straight, 4000mm	A = Customized	
	<b>Ground Pin</b>	0 = Without Note : #0 the cable uses 2pin plug; #1 the cable uses 3pin plug	1 = With	
	<b>Transformer Type</b>	2 = SMPS (2.5A)	4 = Toroidal (4A)	
	<b>Back-up Battery</b>	0 = Without	1 = 9V*3pcs battery	2 = 1.2Ah rechargeable battery box

## Terms of Use

The user is responsible for determining the suitability of TiMOTION products for a specific application.  
TiMOTION products are subject to change without prior notice.