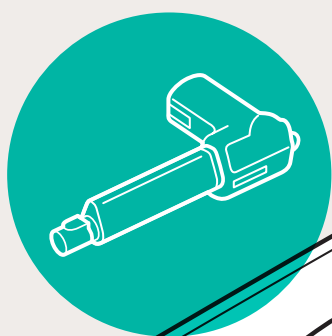


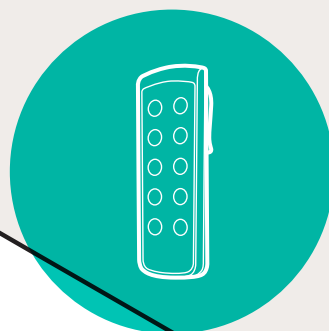
# TWIN MOTOR SYSTEM for NURSING HOME BED APPLICATIONS

TiMOTION Provides Flexibility,  
Customized Products, and Tailor-Made Services

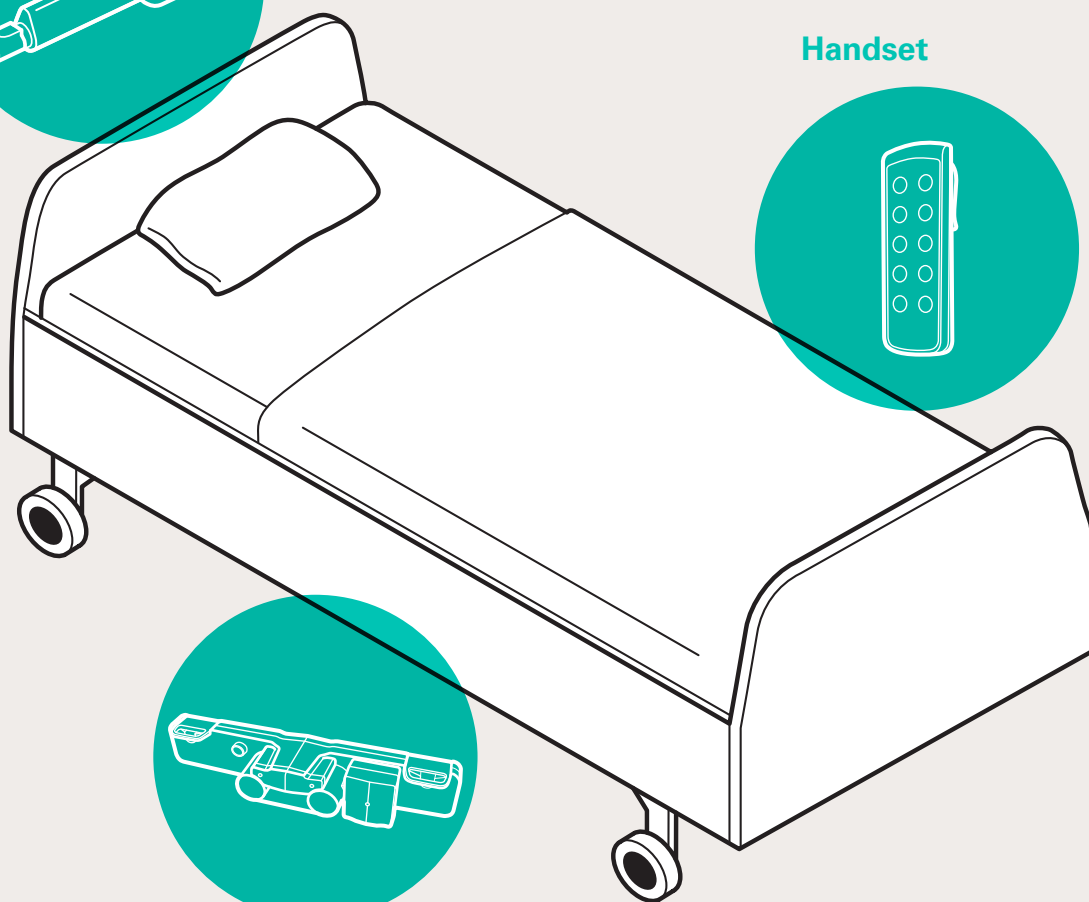
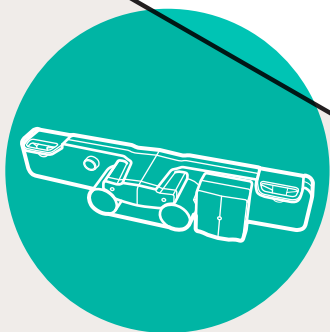
Actuator



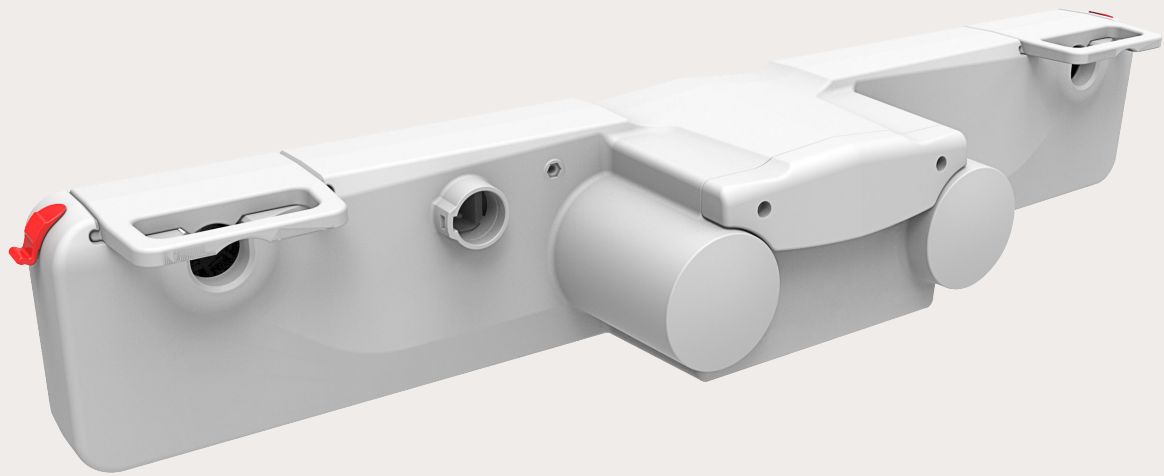
Handset



Twin Motor



# TT1-TWIN MOTOR

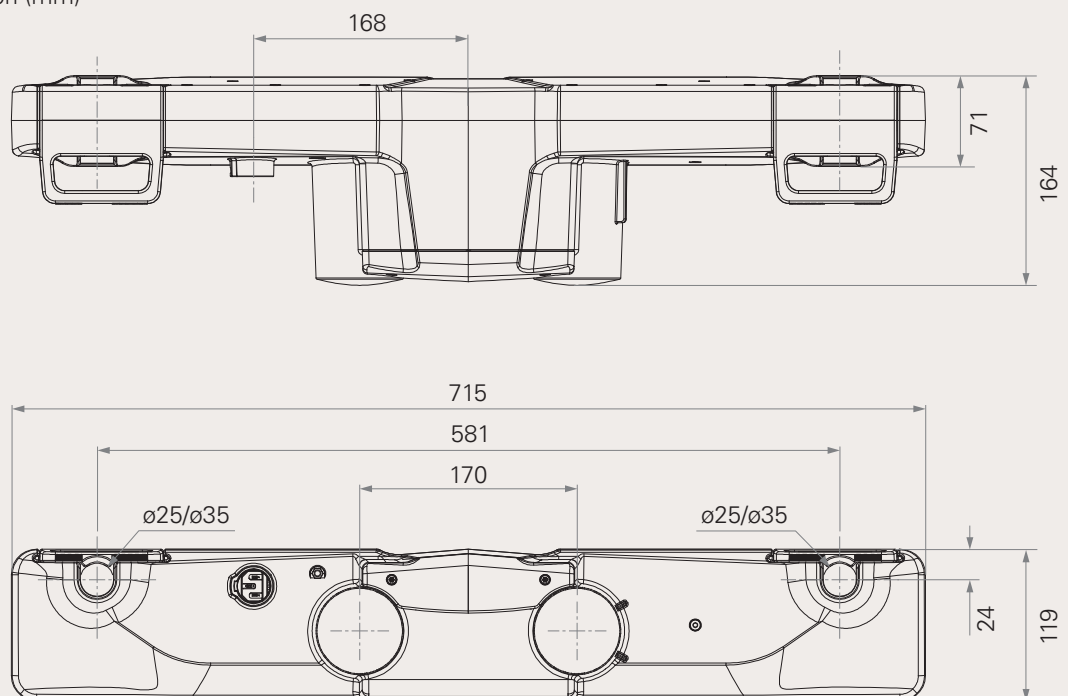


## Cost-effective and Easy Installation

Our new low cost TT1 series twin spindle actuator is specifically designed for homecare and patient care facility beds. The TT1 electrical controls come standard with range of voltages for use in multiple countries. The TT1 is equipped with SMPS and has less than 0.1W standby power consumption. Its sophisticated housing design with reliable mechanical stability provides an alternative motor for a medical bed.

## Drawing

Standard Dimension (mm)



## TT1 Series

- 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: 6.8mm/s
- Stroke: 87mm for backrest; 69mm for footrest
- Quick release for TT1: handle or cable type (optional)
- Back-up battery: 9V\*3pcs battery or 1.2Ah rechargeable battery box

### Load and Speed

CODE	Rated Load		Typical Current at Rated Load (A)	Typical Speed	
	PUSH N	PULL N		No Load (32V DC) mm/s	Rated Load (24V 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

## TT1 Ordering Key

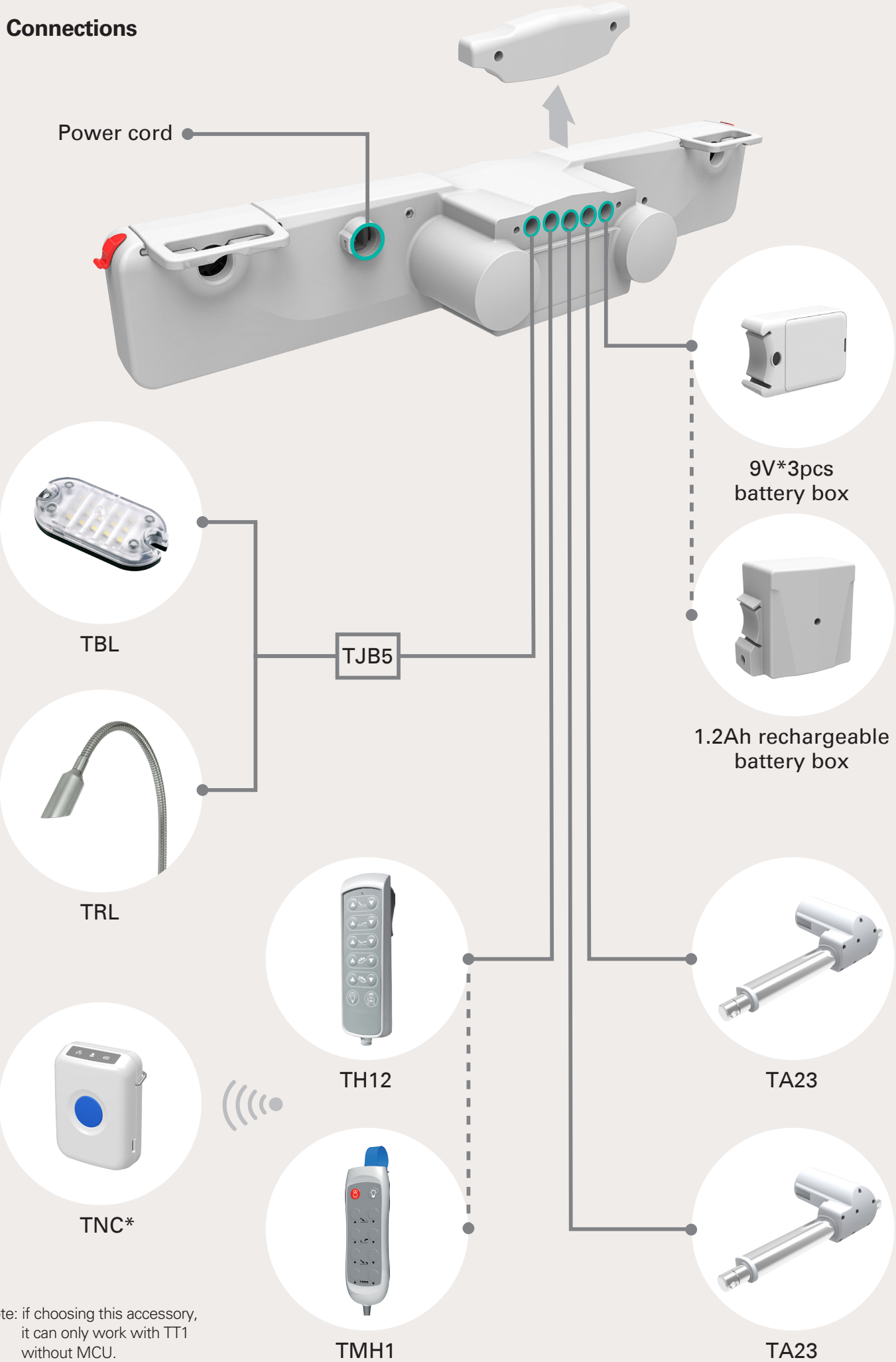
Version: 20140915-D

TT1

Version: 20140915-

<div></div>	<b>Voltage</b>	1 = 100V AC	4 = 100~240V AC	
<div></div>	<b>Motor</b>	2 = 24V		
<div></div>	<b>Load and Speed</b>	See appendix		
<div></div>	<b>Plug</b>	1 = EU 2 = US	3 = AUS 4 = UK	5 = JPN A = Others
<div></div>	<b>Axle Dimension</b>	1 = 25mm Note : axle distance 581mm	2 = 35mm	
<div></div>	<b>Stroke</b>	1 = Back rest 87mm, leg rest 69mm		
<div></div>	<b>Color</b>	2 = Grey (Pantone 428C)		
<div></div>	<b>IP Protection</b>	1 = Without	2 = IPX6 Note : please follow TiMOTION standard installation	
<div></div>	<b>Quick Release</b>	0 = Without	1 = Handle	2 = Cable
<div></div>	<b>Output Signals</b>	0 = Without		
<div></div>	<b>Extra Channels for Motors</b>	0 = 0	1 = 1	2 = 2
<div></div>	<b>Extra Channels for Handsets</b>	1 = 1	2 = 2	
<div></div>	<b>Cable Length</b>	2 = Straight, 4000mm	A = Customized	
<div></div>	<b>Ground Pin</b>	0 = Without	1 = With Note : #0 the cable uses 2pin plug; #1 the cable uses 3pin plug	
<div></div>	<b>Transformer Type</b>	2 = SMPS (2.5A)	4 = Toroidal (4A)	
<div></div>	<b>Back-up Battery</b>	0 = Without	1 = 9V*3pcs battery	2 = 1.2Ah rechargeable battery box

Connections



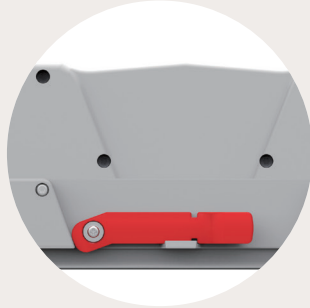
## Quick Release

· Handle Type

Lock



Release

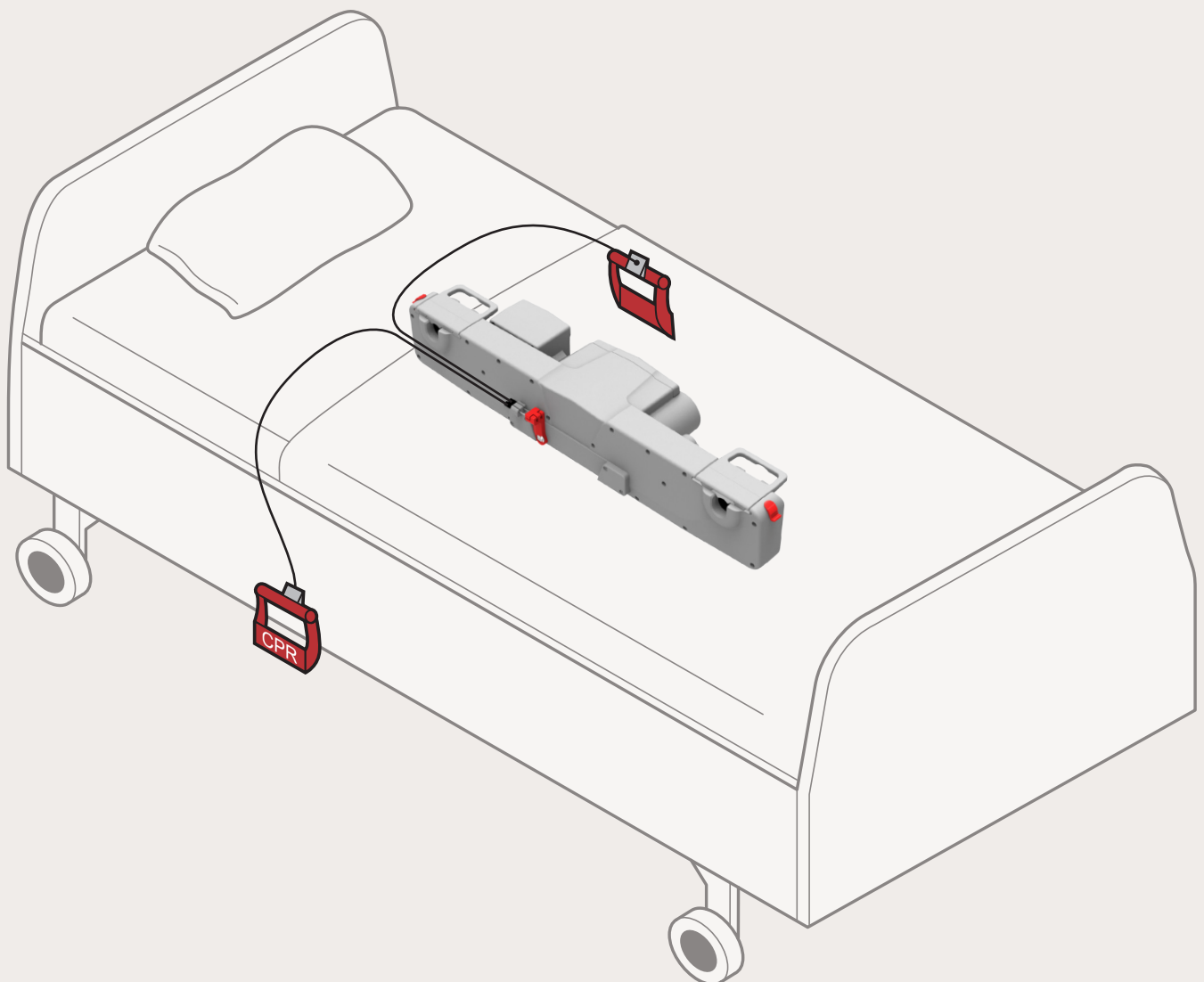


· Cable Type

Lock

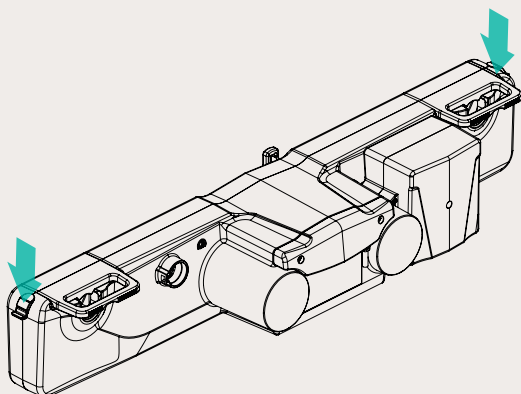


Release

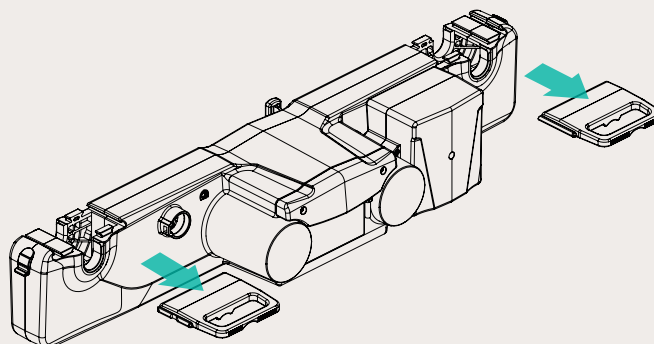


## Installation Guide

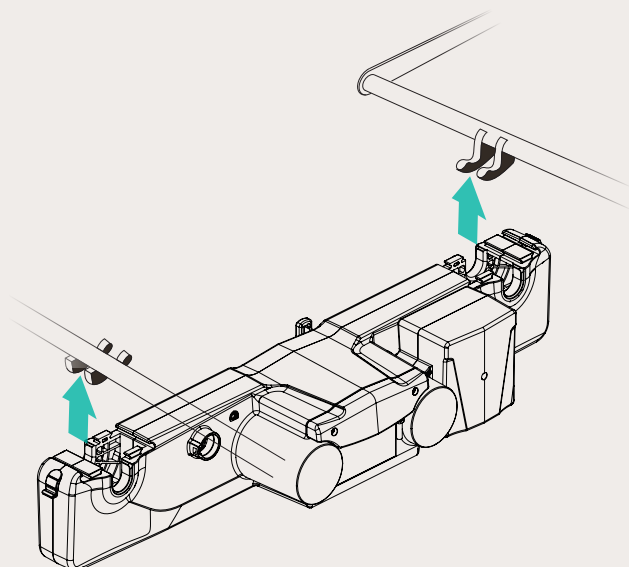
1. Unlock the safety lock and remove the fixed cap



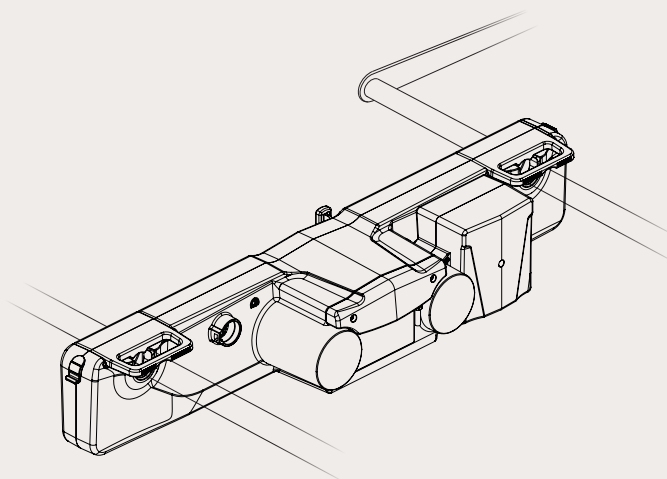
2. Remove the cover



3. Install TT1 to the frame



4. Reinstall the cover



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