



FTS-400 (Floor-to-Stand)

USER'S MANUAL

INDEELIFT, INC. 5143 Tesla Road Livermore, CA 94550 USA 844-700-5438 www.lndeeLift.com

Please read this entire manual *before* using the product and retain for future reference. Users should also view the "IndeeLift HFL 300/400 Training Video", available on IndeeLift's website at https://indeelift.com/videos/

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IndeeLift – the first human floor lift designed and engineered to alleviate the grief, hazards and hassles of recovering from a fall!

THIS PRODUCT MAY CONTAIN THE POSSIBILITY FOR CERTAIN HAZARDS IF NOT USED IN THE CORRECT MANNER. EVERY OPERATOR IS RESPONSIBLE FOR READING AND UNDERSTANDING ALL OF THE OPERATIONAL AND SAFETY PRECAUTIONS AVAILABLE FOR THIS PRODUCT.

Safety Symbols:





Could result in Death or Serious Injury



Could result in Minor or Serious Injury



Introduction:

IndeeLift's patented line of human floor lifts are unlike any other available. This family of products has been designed to assist individuals who have mobility challenges and are unable to get up from a seated position or the floor without assistance.

The FTS-400 is a floor-to-stand lift designed for self or assisted operation in the home or care environments. This appliance can lift a person up to 400 pounds (180 kg) from the floor or a seated height to a standing position without risk of injury to the fallen or anyone assisting them.

The FTS-400 can be used to lift a person from the floor, wheelchair, commode, couch, or any other place a user may be seated and need assistance to get to a standing position. It can also be configured to raise the user from a standing position at floor level to assist in getting onto a bed, or to gain access to higher locations in the home without having to climb a stepladder, along with other places that a mobility challenged user may need to access.

The FTS-400 is extremely maneuverable, and its small footprint allows fall recovery to occur in even the tightest of places. IndeeLift devices replace large and cumbersome sling-style lifts, helping fallen people to recover and get back on their feet quickly, while greatly reducing the risks.

The rugged and reliable FTS-400 IndeeLift devices are purpose-built appliances built in the USA with UL and CE certified components.

AWARNING Individuals that fall must be assessed for injuries that may require medical assistance. Use of this human floor lift after sustaining a serious injury resulting from a fall is discouraged to avoid what could result in Death or Serious Injury. Instead of using this lift if a serious injury is noted, phone 911 for medical assistance.

IndeeLift human floor lifts are covered by US and international patents including US 9,808,388, 10,835,434 and EURO PAT 3151803

This product contains moving parts where hands or feet could be injured if they are in an inappropriate location. Users and caregivers must be aware of everyone's body parts that could be trapped between the seat platform and the floor or between the seat platform and any obstruction located above the seat platform level, that when contacted, could cause Minor or Serious Injury.



FTS Features/Functionality:

Seated Lifts

The IndeeLift FTS is primarily designed to raise a seated person from the floor, or any level above the floor, to a height that allows the user to stand directly up or to be transferred as required.

For users with less mobility, the transfer directly to a wheelchair or power chair is accomplished by raising the seat height to about 21" (53 cm), which allows a height difference of 1-2 inches (2.5-5cm) for lift-free transfers from most seated positions or whatever height that will allow a gravity-assisted transfer.

Once up from the floor, the fallen person can stop at chair height to take a breath and/or rest comfortably or simply get up and walk away or be directly transferred to a wheelchair, bed, toilet or recliner, all without the risk of injuries related to the fall recovery. The user can also be lifted to a full standing height allowing them to walk away without manually standing from a chair height.

Use as a Standing Lift

A secondary function of the FTS is to provide lift assistance to a standing person needing a little lift to access a bed or some tall cabinets or the shelf in the closet at home or the office.

The FTS provides users a method to be lifted while standing, to a safe level 12-14 inches from the floor. This application can assist the user onto a bed that may be the perfect height to get up from but too tall for the user get up onto. This function can also assist where single or dual step level changes may need to be overcome in the home or office.

Small Footprint and Easy Portability

The FTS is a portable lift that is rolled around on wheels like a traditional dolly. The small footprint allows it to be positioned in many places other lifts simply cannot go. With a turning radius of 34" (86 cm), the FTS can go just about anywhere including most small bathrooms and hallways.

Optional Mounting Ramp Seat-Tilt

The FTS patented design includes a mounting ramp seat that eliminates the need to ever "lift" a person manually and a tracking function that allows the seat to shift forward as the user is lifted and shifting their weight onto their legs. A user on the floor either scoots onto the lift using the front ramp or they can tilt up onto the seat. The FTS seat plate can either be locked in a stationary position or unlocked to allow the seat plate to rotate forward to allow a user to get to a standing position. Two locking tabs are located at the rear of the seat plate, one on each side of the main vertical column.

Wired Remote

The wired remote has a 5' (1.5m) retractable cord, allowing the user or a helper to operate the lift. The wired remote has physical, easy-operate button controls that indicate the up and down functionality. The wired remote is stored on the FTS's handles with the hanger clip.

Adjustable and/or Removable Rise-Assist Handles

The rise-assist handles have been engineered to provide leverage for the seated party to assist in the process of standing once they are up from the floor. The arms can swing away from the seat as needed. They are also

removable to allow for mount assistance or a direct transfer to a wheelchair or other destination.

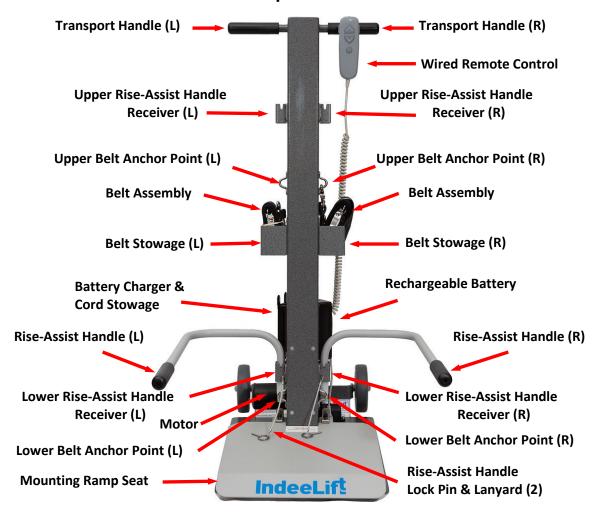
Rechargeable Battery

The FTS comes standard with a rechargeable Lithium-Ion battery pack and charging unit. Charging is accomplished by plugging the charging unit's AC power cord into a standard AC wall power outlet, (see **Preparing the FTS-400 for use** on Page 8). A full charge takes about eight hours. The control system will provide a beep tone when operated and batteries are in need of being charged.

California requires the following notice: WARNING: Lithium-ion batteries and products that contain lithium-ion batteries can expose you to chemicals including cobalt lithium nickel oxide, and nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

Lithium-lon batteries offer light weight, high energy density, low memory effect and long-life. The charger automatically shuts off when charging is complete, which prevents overcharging. The battery should be charged in a clean, dry location, away from direct sunlight, sparks or flame. Failure to recharge the battery at least once every three months *may* result in the battery no longer accepting a charge. The battery should be fully charged before storing the FTS for extended periods. If the battery needs replacing, dispose of the old battery at a recycling center that accepts rechargeable batteries.

FTS-400 Component Identification:



Components and Controls:

Wired Remote

<u>↑ WARNING</u> Power cords could cause strangulation. Keep young children from playing with or around the FTS to avoid mishaps that could result in death or serious injury.

The wired remote control is connected to the FTS with a coiled cord and is used to raise and lower the seat by pressing the up or down button. Raising or lowering the seat takes approximately 75 seconds. The wired remote has graphics indicating the up and down functionality. The wired remote is generally stored on the FTS's handles with the hanger clip. If intended for self-operation, the wired remote should be stored on one of the rise-assist handles (see **Photos** on Page 9).





Rise-Assist Handles

The rise-assist handles provide support and balance when standing from the seat or when using the FTS in a standing mode. The rise-assist handles are positioned on the lower bracket for seated operation and on the upper brackets for standing operation. If desired, one or both rise-assist handles can be swung away from the seat by lifting one inch and then rotating them away from the seat. They are also removable to allow a direct transfer to a wheelchair or other destination. To remove a rise-assist handle, remove the locking pin at the bottom of the handle, (as shown), then lift the handle upward. *Note: There are two locking pins on the lower bracket, (one for each handle). Each lower handle locking pin is secured to the main column with a lanyard, as shown.*



Rise-Assist Handles Shown in Lower and Upper Brackets



Remove Locking Pin Then Lift Handle Upward

Mounting-Ramp Seat-Tilt

The FTS mounting-ramp seat includes two modes of operation, locked and unlocked. Locked mode renders the seat rigid and is used when a person is being lifted from the floor, or being transferred to or from another seated position (i.e., wheelchair, commode, bed, etc.) The unlocked mode is optional and may be used when raising a person from a seated position to fully standing. The seat is unlocked in preparation to raise the user to standing. Unlocked mode allows the seat to rotate forward as the user is raised, shifting their weight onto their legs.





Slide the Locking Tab rearward to unlock the seat. Slide the Locking Tab forward to lock the seat.

Two locking tabs are located at the rear of the seat plate, one on each side of the main vertical column. The locking tabs are to be used together. Both locking tabs must be slid rearward to release the seat for rotation. Both locking tabs must be slid forward to lock the seat for transfers or floor lifting.

The Seat Locks MUST be engaged to raise a person from the floor or for transfers on to or off of the FTS Seat platform!

Preparing the FTS-400 for Use

Unpacking the FTS-400:

The FTS comes packaged for shipment in a carton that is sealed with shipping tape. The unit ships without the wheels attached. Packed inside the shipping carton will be the FTS, user manual and a box containing the wheel components, instruction sheet and wrench, as well as the AC power cord that connects to the battery charger.

- Cut or remove the shipping tape on the top flaps of the carton.
- Stand the packing carton with the heavy end down.
- Open the box and remove the foam and cardboard shipping reinforcement inserts.
- Remove the box containing the wheel components and the AC power cord.
- Slide the FTS out of the box in its upright position on the floor.
- Attach the wheels by following the instructions found in the box with the wheel components and wrench.
- Remove the wired remote from its protective bag.
- Test the FTS by raising and lowering the seat using the wired remote's up and down buttons.

Properly dispose of the packaging materials.



If the unit is intended for self-operation, use the hanger clip on the back of the wired remote to place it on one of the lower rise-assist handles. If the unit is intended for assisted operation, place the wired remote on one of the upper transport handles.



Charging the Battery:

California requires the following notice: WARNING: Lithium-ion batteries and products that contain lithium-ion batteries can expose you to chemicals including cobalt lithium nickel oxide, and nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm.

NOTICE

It is recommended that the FTS be fully charged before its first use.

Position the FTS near a standard commercial AC wall power outlet.

Attach the female end of the AC power cord to the connector on top of the FTS's battery charger. Fig 2 Attach the male end of the AC power cord to a standard commercial AC wall power outlet. Fig 3

The LED light on the battery charger will illuminate green within 15 seconds. Fig 2

The LED light on the battery will illuminate red when the battery is low and will change to green upon reaching a full charge. Fig 4 and 5

After an initial charge of up to eight hours, the battery is fully charged and the red LED on the battery turns green. Fig 4 and 5

Once the unit is fully charged, disconnect the power cord from the wall outlet and wrap it around the cord bracket

on the charger like you would a vacuum cleaner. Fig 6













Fig 1

Fig 2

Fig 3

Fig 4

Fig 5

Fig 6

When the FTS's battery is running low, it will emit a steady tone when pressing the up or down button on the wired remote. This indicates that it's time to recharge the battery. Each charge is good for at least 10 lifts, depending on the weight of the person being lifted. If you need to use the FTS when the battery requires charging, or if the battery fails to operate the FTS, the lift can be operated with the power cord connected to an AC wall outlet. Fig 3

Operation:

Ensure that any users are thoroughly familiar with the correct operation of the FTS-400 before they use it to lift themselves or someone else.

Moving the FTS

Almost any able-bodied person, as young as 8 years old and under adult supervision, can move the FTS around in a single level space. The person moving the FTS stands behind the lift and places one foot on the motor at the rear of the unit and then gently tilts the FTS rearward by pulling the handles toward them. They can now pull or push to FTS to the required location.







Raising or lowering the lift height to match the height of the user provides a more comfortable transport. It is more practical in many cases to pull the FTS from behind allowing the operator the ability to open doors and traverse thresholds and other impediments to smooth travel.

As you stop at the desired location, ALWAYS ENSURE THERE ARE NO FOREIGN OBJECTS BENEATH THE SEAT BEFORE LOWERING THE SEAT AND BEFORE TILTING THE UNIT BACK TO THE UPRIGHT POSITION IN ITS STORED LOCATION!



General FTS Operation:

These are the basic operational steps for using the FTS to lift a person from the floor to allow them to stand up or transfer to or from another seat.

Floor to Seated Height to Standing or to Transfer:

The user gets to the FTS by scooting or crawling, or a helper/caregiver maneuvers the FTS to the location of the person needing assistance. When available, the helper positions the seat directly behind the user to allow the user to mount the lift via scooting on to the beveled seat or tilting on to the seat from the side.

- 1) If the fallen person can sit up on the floor and scoot backwards:
 - i.The fallen person scoots backwards onto the FTS's mounting ramp seat, using the rise-assist handles for leverage to get fully seated. (See Figure A)
- 2) If the fallen person is not able to scoot backwards onto the mounting ramp seat:
 - i. The patient is helped to lie on the floor in a side-lying position with their legs as far forward a possible, to form an "L" shape.
 - ii. The care-provider removes the rise-assist handle that is closest to the patient and places the FTS so that the seat platform is facing the patient's lower legs and the rear edge of the seat platform is as close to the patient's buttocks as possible.
 - iii. The care-provider gently assists the patient to tilt-up onto the seat platform while the patient uses their arms to help push themselves up. (See Figure B)
- 3) Once fully seated in the center and to the rear of the FTS's seat, the securement belt(s) can be applied for added security (see page 16).
- **4)** The person being lifted, or a helper, presses the "Up" button on the wired remote, the motor engages and smoothly raises the seat.
- 5) If the user can stand up from a chair height, the up button is released at chair height level. With the user's feet properly positioned for standing and using the rise-assist handles for leverage, the user stands up as one would from any chair. (as shown in Figure A)
- 6) If the user is transferring to another seated surface such as a wheelchair, the lift is stopped at approximately 2" (5 cm) above the height of the receiving seat. The two inches allow for a gravity assisted transfer.
 - i. Position the chair/wheelchair as close to the FTS as possible and engage the wheelchair brakes.
 - ii. Remove both the armrest of the wheelchair that is closest to the user and the rise-assist handle closest to the chair.
 - iii. Proceed with the transfer. The user reaches for the armrest on the opposite side of the destination seat and slides from the FTS to the destination seat. (See Figure C)

Floor to Full Standing:

- 1) Follow steps 1-3 above.
- 2) Once the person being lifted is fully seated in the center and to the rear of the FTS's seat, and their hands are resting on the rise-assist handles. The person being lifted, *or a helper* depresses and holds the "UP" button, as indicated by the arrow on the wired remote.
- 3) The FTS seat plate can either be locked in a stationary position or unlocked to allow the seat plate to rotate forward to assist a user to get to a standing position. (See Figure D to view the FTS seat in unlocked mode).
- 4) The seat will rise until the "UP" button is released or at the maximum height of 30" from the floor.
- **5)** Once the seated person's weight shifts to their feet, they are standing. (See Figure E).

After completing the lift, using the wired remote, position the FTS seat to the floor or a normal seated height based on the preference of the primary user and return the FTS to its storage location.

Figure A depicts the unit being self-operated, the user can scoot onto the seat platform by themself and is able to stand up from a chair height.



Figure A - Self Operated - Floor to Seated to Stand-Up

Figure B depicts a person being assisted onto the FTS from a side-lying position.



Figure B - Assisted Transfer from Floor onto the FTS

Figure C depicts a person transferring from the FTS to a wheelchair.



Figure C: Transfer from the FTS to a Wheelchair

Figure D depicts the FTS being self-operated with seat in unlocked mode to allow forward seat rotation.



Figure D – Self-Operation Floor to Standing with Seat Tilt

Seated Transfer to FTS to Stand

In this scenario, the person needing assistance is seated in a chair, on a bed, on a couch, in a wheelchair or elsewhere. The user will need to be transferred to the FTS to assist in raising them to a standing position, (see Figure D, below).

The helper positions the FTS directly beside the seated person and uses the wired-remote to position the seat one to two inches below the height of the seated persons buttocks. This positioning facilitates a gravity-assisted transfer eliminating the possibility of injury to the helper/caregiver or the person being lifted.

Either raise the rise assist handle on the appropriate side and swing it rearward or remove it completely by removing the locking pin at the bottom of the handle then lifting the handle upward.

The helper then assists the user to slide to the FTS seat. If the assisted person is unable to slide safely, a transfer board may be slid under the user to assist in the transfer.

Once the assisted person is fully seated in the center and to the rear of the FTS's seat, have them place their hands on the rise assist handles and let them know you are about to raise the seat.

The Seat-Tilt locks may be disengaged to ensure the seat rotates with the lifting person. This allows their weight to be rotated directly over their legs as they come to standing.

When they are ready, press and hold the up button, as indicated by the arrow on the wired remote. The seat will rise until the "UP" button is released or at the maximum height of 30" from the floor. Once the seated person's weight shifts to their feet, they are standing.



Figure E - Seated Transfer to the FTS

Once the lift is complete, using the wired remote, position the FTS seat to the floor or a normal seated height based on the preference of the primary user and return the FTS to its storage location.

Standing Function

While the primary function of the FTS is lifting people from a seated position, the need to lift a standing person a few inches occur regularly for many people. Reaching the tall cabinets in the kitchen, getting to the shelf in the closet, or getting up on a tall bed are all activities that are not possible for many people with mobility challenges. In assisted living or skilled nursing environments, a few inches of lift can get a patient onto an exam or x-ray table. The FTS provides a safe and reliable method to rise those few inches to reach that space that was out of reach without the FTS.

This function is accomplished by moving the rise-assist handles from the lower mounting brackets to the upper mounting brackets and securing the seat (standing) plate in the locked position. The FTS is then placed along side of the cabinet, shelf, closet or other location that is difficult to reach without assistance. With the seat in the fully lowered position, the person in need of assistance stands on the seat and grasps the rise-assist handles, (which are now secured in the upper mounting brackets). The user, *or a helper*, then presses the up button on the wired remote to raise the seat to the required height to reach that space that was out of reach without the FTS, (see Figure E, below).

Once the lift is complete, using the wired remote, position the FTS seat to the floor or a normal seated height based on the preference of the primary user and return the FTS to its storage location.



Figure E: Floor to Stand - Standing Function

ALWAYS PLACE THE MOUNTING RAMP SEAT LOCKS IN THE "LOCKED" POSITION WHEN USING THIS LIFT IN A STANDING FUNCTION AID TO AVOID MISHAPS THAT COULD RESULT IN DEATH OR SERIOUS INJURY.

MARNING

NEVER LIFT A STANDING PERSON HIGHER THAN 14 INCHES FROM THE FLOOR. IT IS UNSAFE FOR STANDING PERSONS TO BE LIFTED ABOVE 14"!

WARNINGBEFORE TRANSFERRING ANYONE FROM THE FTS TO A WHEELCHAIR, ALWAYS ENSURE THE BRAKES ON THE WHEELCHAIR ARE FULLY ENGAGED TO AVOID AN ACCIDENT THAT COULD LEAD TO DEATH OR SERIOUS INJURY.

If you remove the rise assist handle, temporarily place the handle in a safe location (where they will not interfere with the transfer).

Before returning the FTS to its stored location, don't forget to either swing the rise assist handle back into position or – if you removed the handle -- replace it on the appropriate side and secure it back in place with the locking pin (see page 7).

Securement Belt Information:

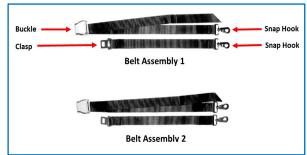
The anchor points and belt assemblies are for use when lifting an individual who is non-ambulatory, has minimal upper and lower body strength, or has a condition that causes significant mobility challenges, (e.g., a paraplegic person with no ability to move their legs, a person with cerebral palsy who may need additional help to sit upright on the FTS when being lifted, or anyone with neuromuscular conditions that may limit their lower body strength or their ability to stay on the seat unassisted). The belt assemblies can also be used simply as desired for additional safety when lifting an individual.

All procedures that do not involve the use of the waist and chest belt accessories are covered in detail earlier in this Users' Manual and are fully applicable to the FTS-400 units.

Using the Belt Assemblies:

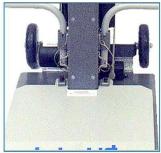
Each belt assembly includes two straps; the longer strap has a seatbelt style *buckle* with a snap hook at the end, the shorter strap has a seatbelt style *clasp* with a snap hook at the end. Each of the two straps form a single belt assembly. The two belt assemblies are identical, (either assembly can be used as a chest belt or a waist belt).

In use, they are secured to the FTS's upper and lower belt anchor points, (located on the FTS's main column), using the



snap hooks at the end of each belt assembly. The upper belt assembly and anchor points can be used as a chest belt and the lower belt assembly and anchor points can be used as a waist belt.









Depending on the circumstances, you may choose to use the waist belt only. The anchor points and belt assemblies also allow for additional configurations, (such as crossing the chest of the person being lifted by attaching one belt assembly to the upper left and lower right anchor points and the second belt assembly to the upper right and lower left anchor points).

Once the fallen individual is securely buckled to the lift using the belt assemblies, pull on each buckles' strap to ensure both belts are snug and secure *before* pressing the up button on the wired remote. As the seated person is being lifted, have them gradually move their legs inward, then ensure their feet are properly positioned *before* they stand up from the FTS's seat, (as the would from any chair).

When lifting a person with little-to-no lower body strength, (such as a paraplegic), the belts will hold the person securely in place and their legs will naturally move inward towards the FTS as they're being lifted. A person properly secured to the FTS using the two belt assemblies cannot fall off the FTS's seat!













Maintenance:

The IndeeLift FTS requires no regular maintenance. All exposed surfaces can be cleaned with standard cleaning products. Keeping the battery charged helps improve battery life.

While the FTS is extremely durable and will perform well indoors or outdoors, it is recommended that the FTS be stored indoors when not in use.

Troubleshooting / Service:

The FTS-400 was designed to provide years of trouble-free performance. There are no user serviceable parts. However, should you encounter a situation where the unit is not operating properly, please ensure you have correctly followed the procedures for recharging the unit (covered in the **Charging the Battery** section of this manual on Page 9).

If charging the unit does not resolve the problem, or if you encounter any other operational issues with this unit, please contact IndeeLift Customer Care at the number below. Our knowledgeable associates will help to diagnose the problem and present a plan for swift resolution.

IMPORTANT: When contacting IndeeLift Customer Care, please be prepared with your model number, serial number, purchase date and a detailed description of the problem.

Contact IndeeLift Customer Care toll-free at 844-700-LIFT (5438)

Warranty Information:

IndeeLift, Inc. warrants to the original purchaser that this product and the components thereof will be free from defects in workmanship and materials for a period of **one year** from the original date of purchase. IndeeLift, Inc. will, without charge, repair or replace at its option, any defective components or the whole product if necessary. Shipping charges may apply. If a total replacement is necessary, IndeeLift, may upon its discretion provide the latest model, which meets or exceeds the specifications of the product to be replaced.

Exclusions:

This warranty does not apply in the event of misuse or abuse of the product or as a result of unauthorized alterations or repairs. IndeeLift, Inc. reserves the right to make changes in design or make additions or improvements to this product without any obligation to install the same on products previously manufactured.

IndeeLift, Inc. shall not be liable for any consequential damages including, without limitations, damages resulting from loss of use. Some states do not allow limitations of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The warranty gives you specific rights and you may have other rights, which vary from state to state.

Physical Specifications:

Model	.FTS-400
Safe Working Load	.400 lbs. (180 kg)
Overall Depth	26.5" (67 cm)
Maximum Overall Height (raised)	70.75" (174 cm)
Minimum Overall Height (lowered)	41.75" (100 cm)
External Width incl Rise Handles	. 23" (58cm)
Maximum Seat Height	30" (76 cm)
Seat Width	14" (35 cm)
Wheel Diameter	5" (13 cm)
Unit Weight	78 lbs. (38kg)
Securement Belt System	Standard

Electrical Specifications:

Standard 2-prong 110V AC Power 9' (2.74m) cord (USA)

Standard 2-prong 220V AC Power 9' (2.74m) cord (Rest of World)

Operating environment: 41° to 104°F (+5°C to 40°C)

Battery and System: 24V

Lithium-Ion Battery Pack...... Standard "Smart" Charger..... Standard

Owner's Notes:	
Model: FTS-400	
Serial Number:	
Date Purchased:	

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For more sales and technical information refer to: https://lndeeLift.com

or scan the bar code:



Refer to training videos about the entire IndeeLift family of products on our website

