BRANACH
SAFETY. OUR WAY OF LIFE

Fall Control System User Instructions

Procedure BP-LBL-0737-01
AU Version

Standards:
EN 795:2012 B
EN 131-2:2010+A2:2017
PPE-REG. (EU) 2016/425
EN 353-2:2002
EN 341:2011/2C

CE
0408

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User Instructions

These user instructions cover the following Branach products classified as for Professional use according to EN 131-2:2010+A2:2017; FEU 3.9 to 9.4 Extension Ladder combined with FC: European Fall Control option. This product utilises a C.A.M.P S.P.A. BLIN KIT - Ref.256502 which is in conformity with new European Regulations (EU) 2016/425 and with the EN 353-2:2002 standard.

Other applicable standards are EN 795:2012 B, EN 341:2011/2C. The user must read the Branach User Instructions and the CAMP instruction set provided with the system. The distributor of this ladder must ensure that these instructions are provided with each ladder with the FC Fall Control option. The owner of this ladder must ensure that these instructions are available to the user of the ladder.

Branach Models applicable to these instructions:

FEU 3.9 EN795 FC; FEU 5.1 EN795 FC;
FEU 6.3 EN795 FC; FEU 7.5 EN795 FC;
FEU 8.7 EN795 FC; FEU 9.6 EN795 FC

The user of the ladder must refer to this instruction manual and the Camp instruction manual before using the ladder with Fall Control.

Indicates the maximum number of users allowed.

The ladder is suitable for Professional Use and Domestic Use.

This equipment should only be used by trained and competent person, otherwise the user should be under the direct supervision of a trained and competent person.

ENSURE SAFETY HARNESS WORN BY THE USER IS IN GOOD CONDITION AND HAS A LOAD RATING TO MEET THE USERS' WEIGHT, INCLUDING EQUIPMENT.

1. Before Use

i. Ensure that you are fit enough to use a ladder and Fall Control System.

ii. The user must be trained to properly fit and use a safety harness.

iii. Visually check the ladder, Ropes and Fall Control devise are not damaged and are safe to use at the start of each working day.

iv. For professional and domestic users, regular periodic inspection is required.

v. Ensure ladder is suitable for the task.

vi. Do not use a damaged ladder.

vii. Before using the ladder, the user should make themselves aware of the working at height regulations applicable to their location and working environment.

2. Inspecting the Branach Product Before Use

i. Inspect the ladder after delivery.

ii. Before every use visually check the ladder is not damaged and is safe to use. If damaged, do not use the ladder.

iii. The following items should be inspected as a minimum before using the system each day or after the ladder is dropped or is impacted.

- Cracked or damaged Fiberglass Rails
- Damaged or missing Steps
- Damaged Feet
- Damaged Rope
- Check all rivets and bolts are in place
- Descender device is not damaged or loose
- Check Guide Brackets are not missing or damaged

- Check the ladder inspection date has not been passed
- Check that the entire ladder is free from contaminants such as dirt, oil, grease, paint, etc.
- Check the Descender Locking Latch is working and not damaged
- Tether Rope or fixtures are not damaged or frayed
- Check Safety Harness is compliant

DO NOT USE THE LADDER AND FALL DEVICE IF ALL ITEMS HAVE NOT PASSED THE INSPECTION PROCESS

3. Ladder System Guidelines

i. The maximum total load for the ladder with fall control option is 150kg including tools and equipment. The maximum load of the system may be limited by the rating on the harness.

ii. System must always be tethered to prevent the risk of ladder slip back.

iii. If using the ladder for pole work, the top lash must always be secured around the pole. See section 14.

iv. TerrainMaster legs must always be deployed to their widest position allowing for 300mm +/- 15mm step height to ground.

v. Before doing any work from the ladder, the user should attach the work positioning hook to the nearest rung eyelet to constrain the rope line.

vi. If transitioning from the ladder system to a linesman pole belt, a work procedure must cover this process.

vii. DO NOT USE A LANYARD BETWEEN HARNESS AND ROPE GRAB.

4. Positioning and Erecting the Ladder

i. Check the product weight on the load rating label on the ladder. If the product weight is greater than 25kg two people are requirement to transport and erect the ladder.

ii. The ladder shall be fully extended with the rungs or treads level with the ground.

iii. The ladder must be erected on a firm, unmovable surface with a maximum gradient of 15°.

iv. When positioning the ladder take into account the risk of collision with the ladder, e.g. from pedestrians, vehicles or doors.

v. Identify any electrical risks in the work area, such as overhead lines or other exposed electrical equipment.

vi. The ladder should be stood on both feet; not supported on the rungs or steps.

vii. Ladders shall not be positioned on slippery surfaces (such as ice, shiny surfaces or significantly contaminated solid surfaces) unless additional effective measured are taken to prevent the ladder slipping or ensuring contaminated surfaces are sufficiently clean.

viii. It is recommended that the ladder is positioned at the correct working angle of 65-75°. To ensure correct angle, use the angle indicator marked on the rail and/or the level-bubble in the TerrainMaster base. This position is often referred to the 4:1 rule where the feet of the ladder are one unit out from the vertical contact surface for every 4 units measured vertically to the point of contact of the ladder to the vertical surface.

5. Using the Ladder

- Do not exceed the maximum total load for the ladder. Refer to the ladder label.
- Do not overreach; the user should keep their belt-buckle/navel inside the rails and both feet on the same step/rung throughout the task.
- Always use with TerrainMaster feet in an opened position.
- Be especially cautious of wind when outside.
- Use non-conductive ladders for unavoidable live electrical work.
- Take precautions against children playing on the ladder.
- Face the ladder when ascending and descending.
- Keep a secure grip on the ladder when ascending and descending.
- At all times maintain 3 points of contact.
- Do not use the ladder as a bridge.
- Wear suitable foot wear when climbing a ladder.
- Avoid excessive side loadings e.g. drilling brick and concrete.
- Do not spend long periods on a ladder without breaks (fatigue is a serious risk).
- Equipment carried while using a ladder should be light and easy to handle.
- Maintain a handhold whilst working from a ladder or take additional safety precautions if you cannot.
- Secure the ladder to a ground or wall fixing. Secure the top of the ladder when ever possible.
- Ensure top of the ladder makes contact with structure.
  Ensure structure is in good condition.
- Do not move Ladder when standing on it.
- Do not move ladder from top.

5. Using the Ladder (continued)

Do not use the ladder on an unfirm or unstable base. Do not exceed the level the TerrainMaster can operate in (15° Slope). Use the built-in level bubble or spirit level to ensure the ladder steps are level. If you are not sure, STOP. DO NOT RISK YOUR SAFETY.

Do not overreach. Keep your belt-buckle/navel inside the rails and both feet on the same step/rung throughout the task.

Do not erect ladder on heavily contaminated ground.

Use the leaning ladder at the correct angle. To judge the angle, use the angle indicator marked on the rail and/or the bubble level in the TerrainMaster base.

Leaning ladders with steps shall be used so that the steps are in a level horizontal position.

Ladders used for access to a higher level shall be extended at least 1metre (1m) above the landing point and secured if necessary.

Only use the ladder in the direction indicated.

Do not lean the ladder against unsuitable surfaces. For pole work use the Branach wide pole attachment combined with a Top Lash.

Do not stand on the top 3 steps/rungs of a leaning ladder.

Ensure the latch has fully engaged the rung when extending the ladder.
If the latch is not parallel with the ladder, adjust so it is engaged fully.

Ensure ladder is at the correct angle. To set the angle, use the angle indicator marked on the rail and/or the bubble level in the TerrainMaster base.

PROFESSIONAL

This ladder conforms to

EN 795:2012 B
EN 131-2:2010+A2:2017
PPE-REG. (EU) 2016/425
EN 353-2:2002
EN 341:2011/2C CE 0408

and is intended to carry a maximum load, including user, tools & materials of

150 Kg

FEU 8.7 EN 795 FC

Closed/Extended Length
5.18 / 8.7m

Maximum standing height
7.5m

Model Type
Extension ladder

Product weight
38 kg

Manufacture date
03/ 2024

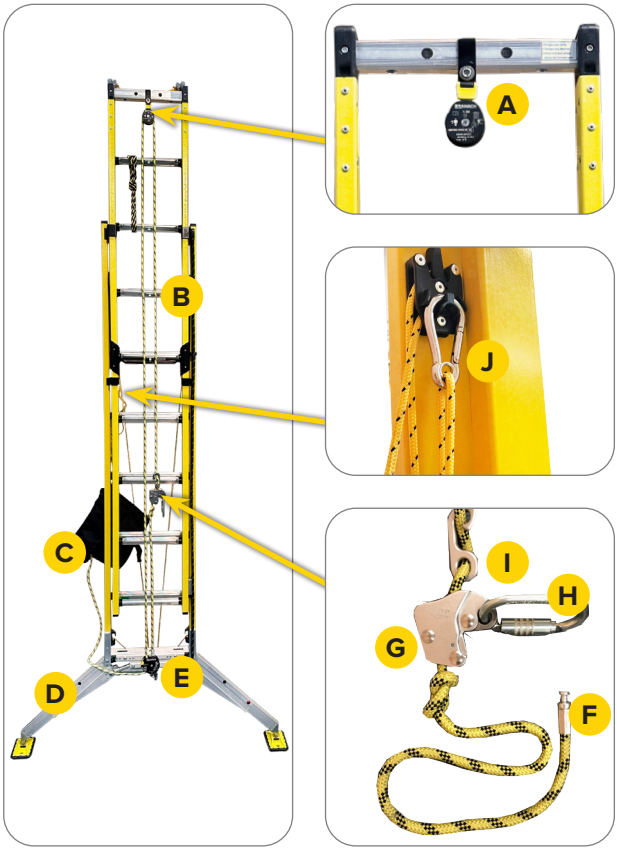
Distributor:
Branach GmbH
Im Speyerer Tal 5, Halle 4
76761 Rülzheim, Germany
www.branacheurope.com

Manufactured by:
Manufacturing Branach P/L
Made in Australia

Fall Control Setup

Ladder Glossary

- **A** Top Pulley Attachment
- **B** Rung Eyelet
- **C** Life-line Rope
- **D** TerrainMaster
- **E** Rescue Descender
- **F** Rope Termination
- **G** Rope Grab
- **H** Triple Lock Carabiner
- **I** Work Positioning Hook
- **J** Tethering System



6. Initial Set Up

i. Take ladder from vehicle and lay on the ground, unclip rope bag from beneath the ladder. Push Fly up to fully extend the ladder.
(Check rope bag ladder size is greater than or equal to the ladder size being used)

ii. Take rope from the bag with termination end in hand.

7. Rope Connection to Descender

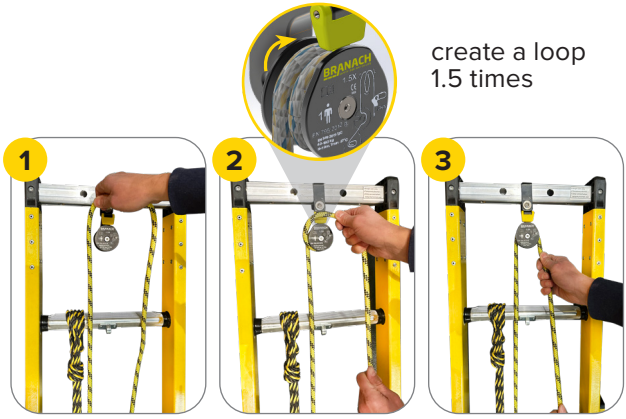
Insert rope termination into descenders top RH keyhole and pull fitting around until fitting is vertically aligned with the ladder.

8. Threading Pulley

i. Run the rope up the right-hand side and fit the lifeline rope through the top pulley attachment.

ii. Feed the rope a second time in a clockwise direction, creating a 1.5x loop.

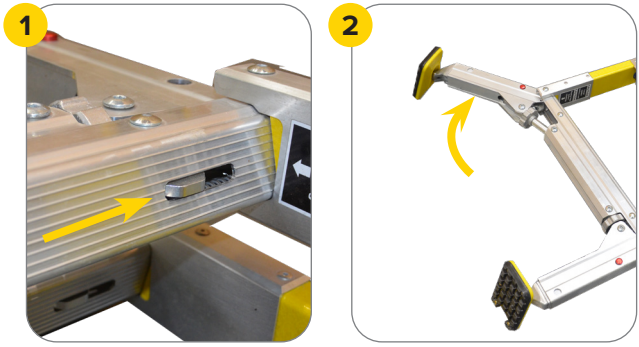
iii. Ensure the pulley gate is closed once the rope is loaded.



See page 15 for correct ladder setup.

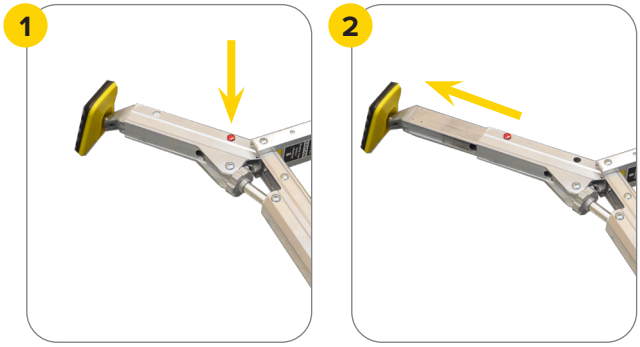
9. TerrainMaster Deployment

Slide the leg-lock latch towards the outside of the ladder.



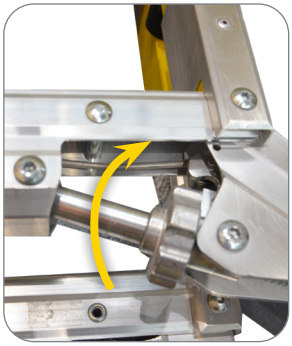
10. Extend TerrainMaster

i. Extend the TerrainMaster legs to their widest setting.
ii. Depress the front and rear leg buttons to extend the leg.
iii. Check that the lock buttons re-engage in the extended leg position.



11. Levelling

i. Adjust the TerrainMaster step height to be similar to step distance.
ii. Un-weight the TerrainMaster leg to remove any spring tension.
iii. Wind the leg adjuster wheel until 2.5 cm (approximately) gap is formed between the latch and the adjuster wheel.



Notes:

- Final adjustments to TerrainMaster will be made once ladder is erected.
- Final result should be 300mm +/-15mm step height from the ground.
- Screw turn wheel needs to be wound back to original position to lock the legs closed during storage.

12. Positioning Ladder

i. Before standing ladder up check for hazards.
ii. Stand ladder up against structure.
iii. Extend the ladder to the final work position.

13. Complete Descender Roping

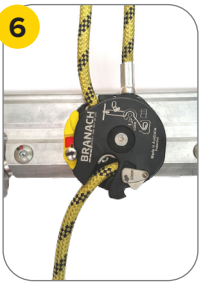
Slide thumb catch with arrows to right hand side.

Unlatch yellow release lever.

Turn cover clockwise to expose rope entry slot.

Create 20 cm of slack in the rope line, then insert rope into slot using thumb.

Turn cover plate clockwise until rope is aligned with the lower rope exit slot.



Pull down on rope to make sure it exits the descender.

Turn cover plate anti-clockwise back to the locked position.

Check that cover cannot rotate and has locked.

Pull down on rope from below the descender to remove slack from life-line.

14. Pole Work

i. For work on poles power or light with a diameter of less than 300 mm – The Pole Strap supplied with FC ladder or Wide Pole Attachment can be used.

ii. Poles 300 – 450 mm diameter – The Wide Pole attachment is required.

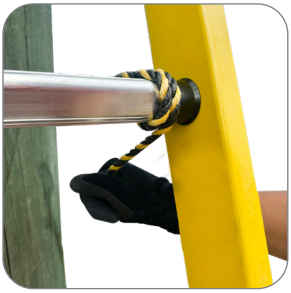
iii. To insert the Wide Pole Attachment depress the red button on the spigot and insert one spigot into the left and right side of the Unitop until the button clicks in to place.

iv. Untie the top lash.

v. Set up the ladder as per steps 6 to 16.

vi. Ascend the ladder and tie the top lash around the pole and secure it to the ladder, as shown. The recommended knot is two round turns with two half hitches. See page 18.

14. Pole Work (continued)



The ladder is secured to the pole.

Once the pole work is complete, untie the top lash and descent the ladder.

Stow the top lash by wrapping the top lash around two rungs, as shown on the left.

15. Check Incline & Step Height

Use level bubble to ensure ladder is at correct angle, and level to terrain accordingly. Adjust TerrainMaster wheels to ensure ladder level.

Ensure there is a 300mm +/-15mm step from ground to first rung.

Level
Use level bubble

16. Tether Setup

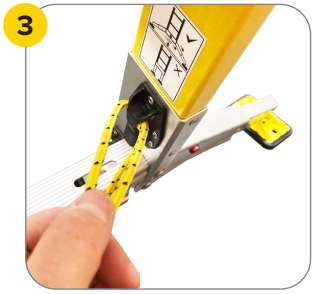
i. Select Tether Point: Soft ground screw, masonry tether, pole.

iia. For pole attachment, attach ladder tethers around pole or onto structure.

iib. For ground or masonry attachment, drill into surface, insert ground screw or masonry tether.

Release tether lever on rear side of ladder and pull rope out.

Un-clip tether hook from housing.



Un-hook tether from lower hook point.

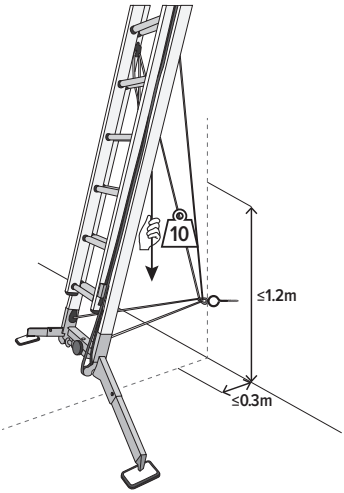
Extend both tethers around pole and clip together or extend tethers to other structure and clip on.

Tension tethers with up to 20Kg of load on each tether.

Tether Zone

If connecting to a ground attachment point, aim to be greater than 0.8m away from the ladder feet.

If connecting to a wall attachment point, aim to be within the range of 0 – 1.2m from the ground.



iii. Extend both tethers around pole and clip together or extend tethers to outer structure and clip on. A structure should be able to hold 100kg.

Here a few examples:

Truck Wheel

Tow Bar

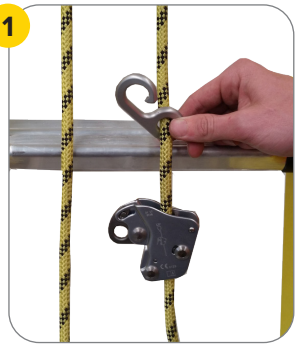
Hard Ground
Petzl Tether Point

Tether Point

Soft Ground Tether Point (Branach Tether Kit)

Brick Tether

17. Attach Harness onto Fall Arrest Device



Un-clip work position hook from life-line rope.

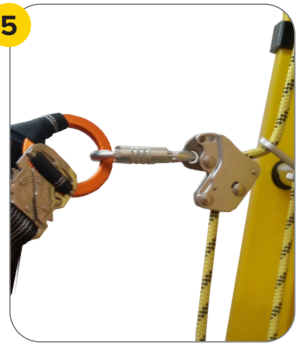
Attach chest harness point to fall-arrest device. Never connect to the fall-arrest device via a lanyard or shock pack, as this will increase fall distances and could overload the ladder system during a fall. The maximum gap between the users' chest and the fall-arrest device should be 30cm.

IMPORTANT!

Test the system before climbing the ladder by rocking ladder to ensure tethers are tensioned and sitting in the harness from the life-line rope via the fall-arrest device.

Ascend ladder, once the desired work height on the ladder has been reached, attach the work positioning hook to a rung eyelet above the harness attachment point. Place hook above eyelet and twist in.

5



Remove slack in life-line rope by holding the fall-arrest device under the rung hook and pulling the rope line through the fall-arrest device.

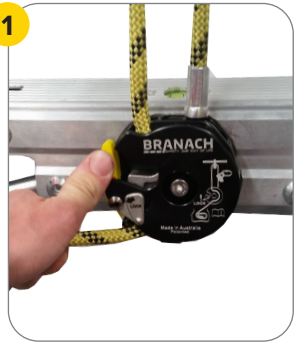
6

If performing pole work, attach the top-lash to the pole. See page 16 for details

18.Rescue

BEFORE YOU BEGIN – Assess the position and condition of the worker and continue with rescue procedure if safe to do so.

1



Firmly hold the free end of life-line rope in one hand. Then partially pull out the yellow release lever.

2

Pull the yellow release lever down to start lowering the user. Control the lowering rate by varying the speed that the rope passes through your hand. It is vital to keep control of the tail rope to control descend rate.

3

To stop the descent, release the yellow lever.

Note: The descender can only be used as designed as part of the Branach Fall Control System. Do not use for any other purpose. Max Descent height 10m.

4

Monitor the users position and un-hook their legs as they approach the tether lines. Always inspect the life line and descender after every rescue for damage and correct operation. The number of descents is subjects to the condition of the life line rope.

19.Storage / Care

i. Disconnect tether system from structure and store back on ladder, tensioning tethers so ropes are not loose.

ii. Remove the life-line rope using the release lever to remove any tension in the rope and store rope in provided rope bag.

iii. Attach rope bag to ladder or store in vehicle. The rope bag should be stored in a clean dry environment whilst not in daily use.

iv. It is recommended that Ladders are to be stored away from direct sunlight, excessive heat, dampness, dust, dirt or exposure to the elements on environments where corrosion of metal parts could take place.

v. Clean the descender with clean water only. Dry the inside or let it dry naturally.

vi. The Terrain Master leg adjustment mechanism should be cleaned with clean fresh water only. Apply WD40 or dry silicon lubrication to easy movement.

vii. Store the ladder in a safe place where it cannot be damaged by vehicles, heavy objects or contaminants.

viii. Store the ladder so it does not become a trip hazard or obstruction.

ix. Store the ladder securely so that it cannot fall and injure people.

x. When storing ladders give consideration for preventing use by criminals for gaining unauthorised access and ensure children and the general public cannot climb the ladder.

xi. Repairs and maintenance shall be carried out by a competent person who has been qualified by Branach and shall be in accordance with Branach's instructions and procedures. Only use Branach recommended components and fasteners.

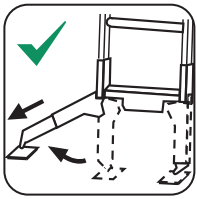
Summary

Ensure work area is safe.

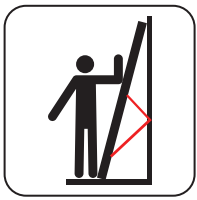
Ensure fall control system is set up correctly.

Inspect
Before Use

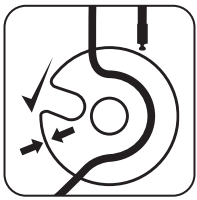
Level
Use level bubble



Stable
TerrainMaster



Secured
Tethers



Life-line
Roped Correctly

Rope Wrap
Create a 1.5x Loop

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