



FirstShield Tree Protection Temporary Panel Frame Kit Timber TREE-KIT-0110 TREE-KIT-0120

Operations, Maintenance & Installation Manual

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This manual provides a comprehensive overview for the installation, operation, and maintenance of the FirstShield Tree Protection Temporary Panel Frame Kit - Timber TREE-KIT-0110 and TREE-KIT-0120. This system is designed to establish a robust protective barrier around trees on construction sites.

Disclaimer: This guide is for informational purposes only. The installer is responsible for ensuring the installation complies with all relevant British Standards. While every attempt has been made to verify the accuracy of the content in this guide upon its release, we cannot accept liability for any losses or damages resulting from inaccuracies. All tasks outlined must be carried out by certified professionals. Any deviation from these instructions nullifies any guaranteed entitlement or liability from the manufacturer.

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Contact: For enquiries regarding the installation, operation or contents of the guide in relation to this product please direct your questions to : The Product and Drawing Office Manager, First Fence Ltd, Off Kiln Way, Swadlincote, South Derbyshire DE11 8EA. Or The Product and Drawing Office Manager sales@firstfence.co.uk +44 1283 380054.

Manufacturer and/or Reseller: First Fence Ltd, Off Kiln Way, Swadlincote, South Derbyshire DE11 8EA. www.firstfence.co.uk +44 1283 380054.

Competence: This product must be installed by a person of competence, defined as an individual who possesses the necessary knowledge, skill and experience in the installation of fences and gates.

Liability: This installation guide should be understood and followed before any installation activities commence. If any area of the installation is unclear, the installer must contact the manufacturer, outlined in 'Contact.' First Fence Ltd takes no responsibility for incorrectly installed systems, product, material or components.


1.0 Safety & Tools

Personal Protective Equipment (PPE)

The following minimum PPE is required for installation:


Hard Hat

Must be worn




Eye Protection

Must be worn



Safety Gloves

For all material handling



Foot Protection

Must be worn



Risk Assessment

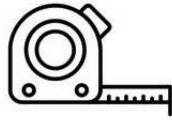
Installers are responsible for completing a site-specific risk assessment and complying with all local risk assessments before starting work. This responsibility includes, but isn't limited to, the following:

Activity	Risk Assessment Requirements and Not Limited to
Breaking ground for post hole excavations	Noise Vibration Manual Handling
Post Installation	Manual Handling
Installation of Fixings	Noise Vibration Working at Height

Tools & Equipment

Tape Measure

For setting out and measuring distances



Post Rammer/Driver

To ensure upright posts are driven securely into the ground to the required depth.



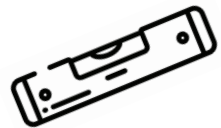
Screwdriver

To fasten coupler to the wooden post



Spirit Level

For plumb (vertical) and level installation



Cable Avoidance Tool

To identify hidden services embedded in the ground



2.0 Pre-Installation

Site Survey & Preparation

Tree and Root Protection Area: Clearly define the tree protection zone (TPZ) based on arboricultural recommendations or local regulations. This system is designed to protect this area.

Ground Conditions

Stability: Assess the stability and composition of the ground where the vertical timber posts will be inserted. Ensure the ground can adequately support the structure and provide secure anchoring.

Underground Services: Before any digging, identify and mark the location of all underground services (e.g., pipes, cables, irrigation lines) to prevent damage. Use a Cable Avoidance Tool (CAT) and consult site plans if available.

Level Ground: While the system can likely adapt to slight variations, a relatively level ground line will simplify installation and improve stability.


Obstructions: Clear the area of any debris, rocks, or other obstructions that could impede installation or compromise the stability of the structure.

Materials Check

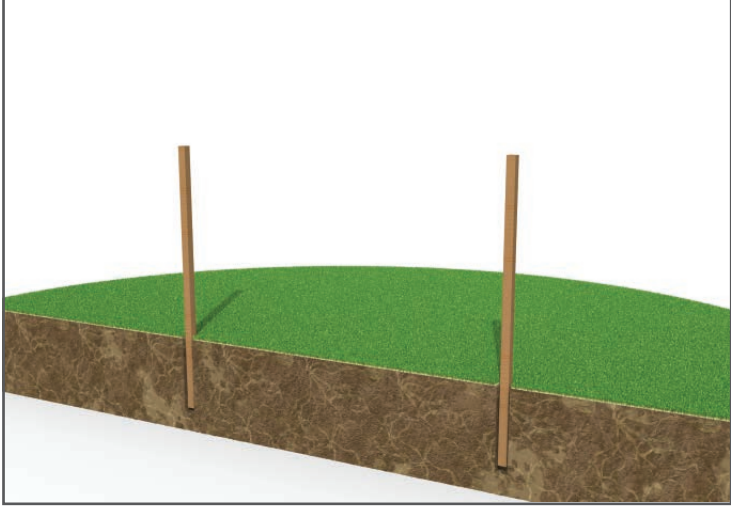
Unpack the kit and verify all components are present and undamaged, checking against the Bill of Materials (Section 4.0). Ensure all components are free from excessive corrosion or damage.

3.0 Installation


1



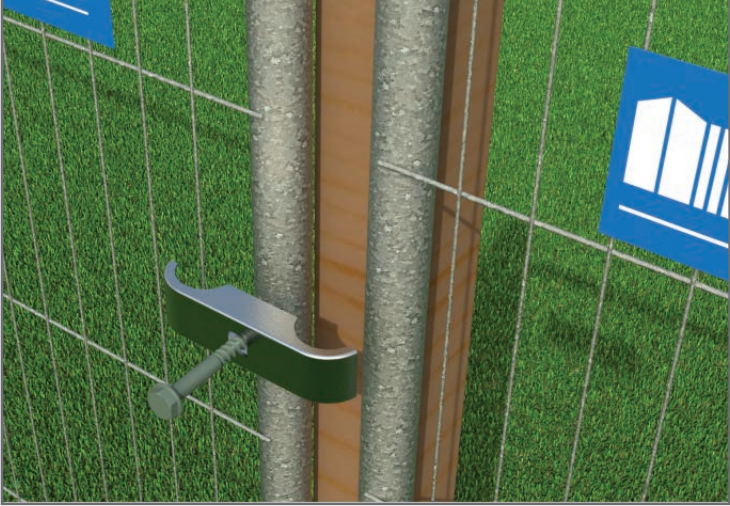
Install the timber post at 3.5m post centres. The dig in depth is 600mm or 1000mm for the 8ft or 10ft post respectively. Ensure that these uprights are plumb and securely anchored. Use a Post Driver/Rammer to drive into the ground.



2



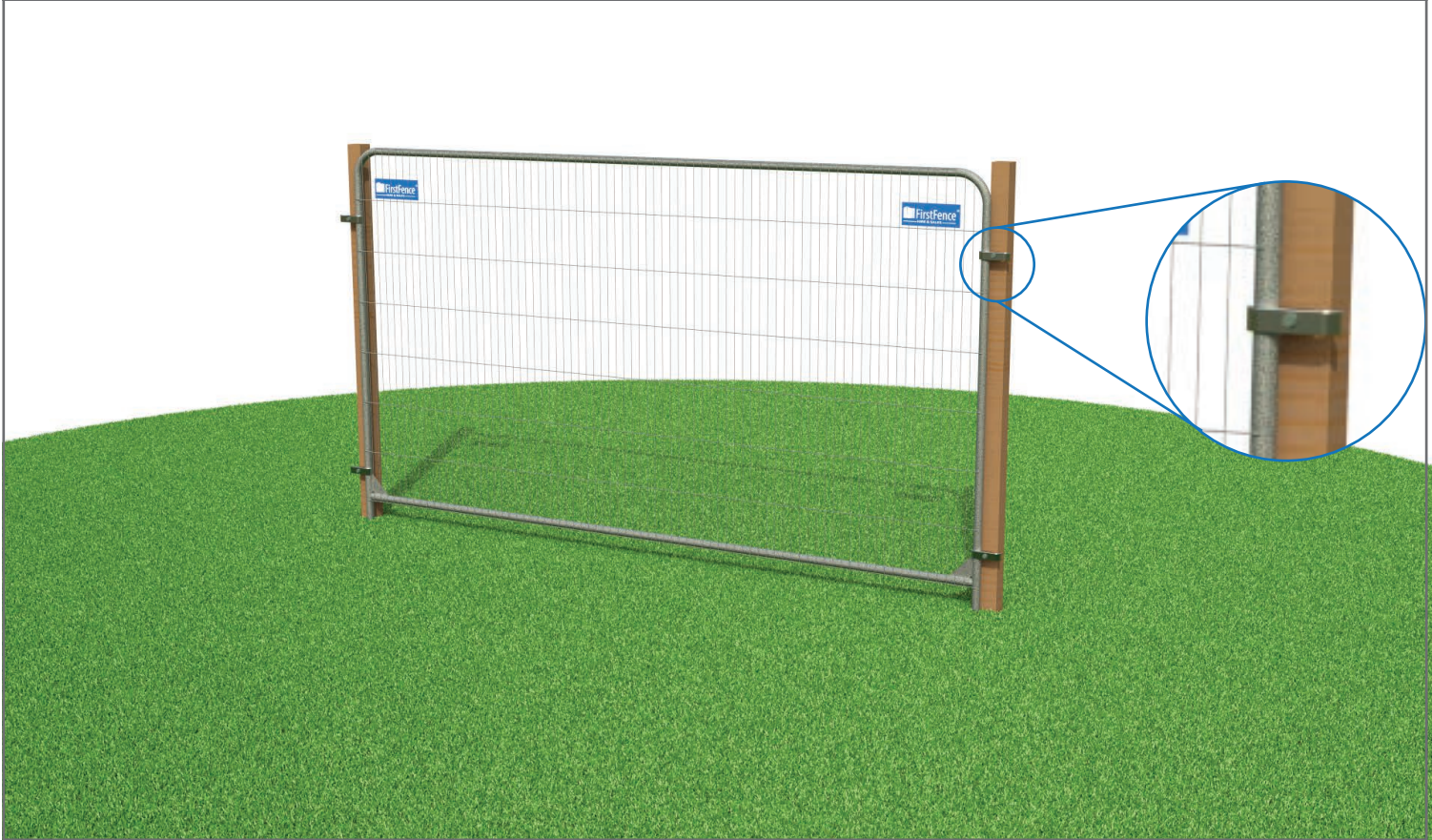
The coupler, disassembled into two components, is used to secure the panel to the timber post using the timber screws (the bolt can be discarded). The panel is clamped between the coupler halves and post. The coupler can also be used to fix two adjacent panels to a shared timber post.



3

Couplers should be installed between 300mm and 500mm from the top and bottom of the panel. Ensure all couplers are fully tightened to the timber post before use. Additional post kits and panels can be used to form a structure of the desired length. To finish the run, add an end post kit.

For additional security add a ‘Tree Protection Zone Sign.’



4.0 Bill of Materials (Timber Post Kit)

Illustration	Component Name	Component Code	Quantity
	8ft Timber Post	TIMB-POS-0140	1
	10ft Timber Post	TIMB-POS-0160	1
	Temporary Fencing Coupler	TEMP-ACC-0001	1
	M10 x 100mm Coach Wood Screw	SCAF-FIX-0019	2

Note, each kit comes with one timber post of chosen height. The coupler is disassembled into two individual components; the bolt can be discarded and the two wood screws used to fix to the post.

5.0 Installation Sign-Off Checklist

Action	Description	Pass/Fail
Fence Line	Fence is positioned correctly as per site plan, outside the Root Protection Area.	
Post Verticality	All vertical posts are plumb and secure.	
Foundation Depth	Vertical posts are embedded to the minimum recommended depth.	
Fixing Security	Ensure all couplers are fully tightened to the timber post.	
Panel Security	Panels are securely attached to the frame with no large gaps	
Site Clean Up	Installation area is clear of surplus materials, tools, and debris	

Sign Off Declaration:
I hereby confirm the this product has been assembled and installed in accordance with the above requirements and any remedial works have been carried out before the final sign off:

Site Supervisor

Sign Off Date

Relationship to the Client

Signature

6.0 Maintenance Schedule

Regular inspection and maintenance are critical to ensure the system remains safe and effective, in line with the requirements of BS 1722-18:2011 for temporary fencing. The person responsible for site safety should ensure these checks are carried out.

Check Area	Recommended Action	Frequency	Reference
General Fence Line	Visually inspect the entire fence line for signs of damage, post movement, or ground erosion near foundations. Ensure it has not been moved from its original position.	Weekly & After Adverse Weather	BS 1722-18
Structural Integrity	Check all posts and rails for bending, displacement, or damage. Verify that all bracing is intact and secure. Check timber posts (if using) for signs of rot or damage.	Weekly	BS 5837
Fittings & Couplers	Physically check a sample of couplers on each visit to ensure they remain tight. Visually inspect all other accessible fittings for signs of loosening.	Weekly	Manufacturer's Spec
Fence Panels	Ensure all temporary fencing panels remain securely attached to the frame. Check for any damage to the mesh or frame that could compromise security.	Weekly	BS 1722-18
Steel Condition	Inspect steel components for signs of significant corrosion or damage to the galvanised coating. Clean off any corrosive matter or debris.	Monthly	Manufacturer's Spec
Signage	Ensure any "Tree Protection Area - Keep Out" signs are still in place, legible, and securely fixed to the fence.	Weekly	BS 5837

Take the hassle out of your maintenance schedule

First Fence Limited offers an annual inspection programme for your product. Contact our sales team today to include this quote onto your sales order.

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