TEN-FWO10B - FTTH WALL OUTLET

Installation Guide

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TELESTE

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TEN-FWO10B - FTTH Wall Outlet

Introduction

Thank you for choosing this Teleste product. The TEN-FWO10B FTTH wall outlet is designed as a reliable termination point for drop cables, seamlessly connecting them with patch cables in FTTH indoor applications. This versatile unit integrates fibre splicing, termination, storage, and cable connections, all within one protective enclosure. Additionally, a built-in backbox is incorporated into the design, providing ample space to neatly store and manage spare cables.

Package Contents

Kindly unpack the TEN-FWO10B and confirm that all items are present, as illustrated in Figure 1. Should any items be missing, please promptly contact your local seller for assistance.

Figure 1 - Package contents

- • TEN-FWO10B enclosure
- • Splice protector
- • Fixing wall screws
- • Wall fixings

About the TEN-FWO10B FTTH Wall Outlet

This FTTH Wall Outlet is engineered for easy installation and tailored specifically for indoor mounting applications. Made from durable PC+ABS material with a flame rating of UL94 V-0, it offers superior safety and reliability. The outlet supports SC simplex and LC duplex adapters, offers excellent provisions for efficient spare cable management, and delivers a high-performance solution for passive network installations.

Product Specification - General

Supported adaptors	2 x SC (simplex) or 2 x LC (duplex)	Supported / recommended fibre type	G.657.A1
Material	PC + ABS	Flame rating	UL94 V-0
Dimension (LxWxH)	100 x 79 x 22 mm	Colour	White
Operating Temperature	-40 - +85 °C	Weight	0,054 Kg

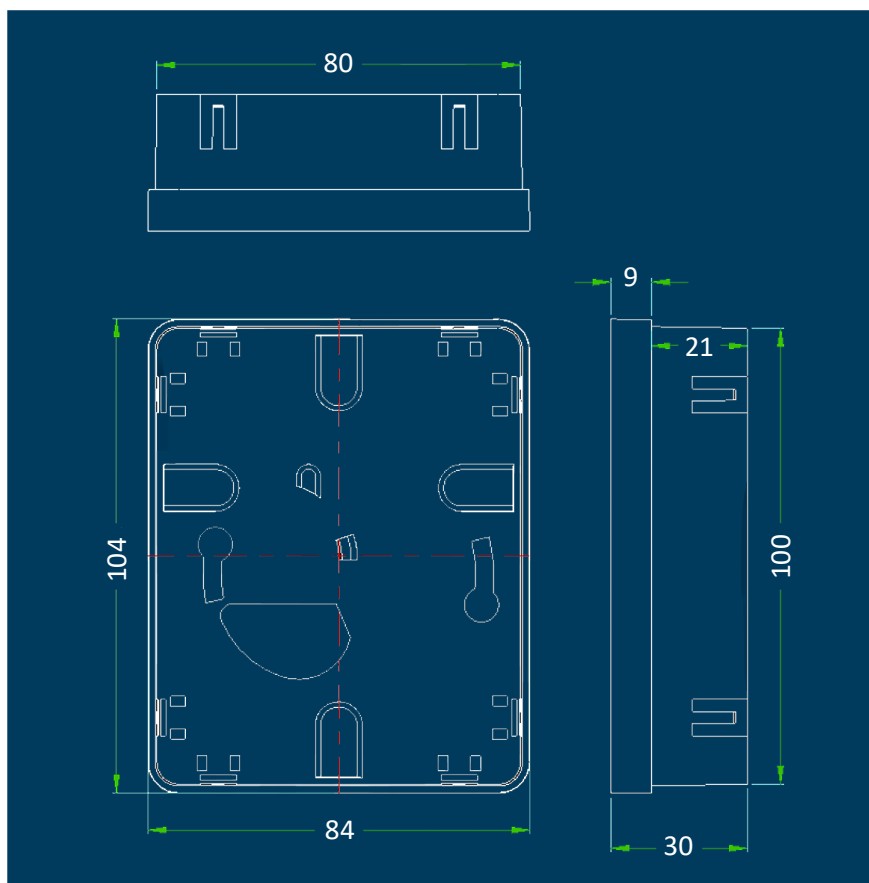## Mechanical Layout - Backbox

Figure 2 - *Mechanical layout*

Installation Instructions

⚠️

Warning! *Ensure to follow basic safety precautions to reduce risk of fire, electrical shock, and personal injury.*

Thank you for choosing this Teleste product. Please take a moment and carefully read these instructions through before installing the product.

General Preparations and Precautions

1. Check the FTTH Wall Outlet, cable items and all other components for any damages before installation.
2. Make sure to keep all components dry and clean for the installation.
3. Keep the working environment clean (dry and no dust) and flat for the installation.
4. It's essential to use standard instruments and tools during installation. This practice minimizes the risk of damage and guarantees long-term performance.

Installation Guidelines

All necessary safety instructions must be followed during the installation and maintenance operations. The safety requirements for class 1M lasers are detailed in EN60825-1.

1. Start by using a side cutter to create an appropriately sized opening for the incoming cable. The outlet provides several points where an opening can be made, so select the most suitable location for the cable to enter, ensuring that it does not cause any tension or stress on the fibre optic cable. Next, install a zip tie before mounting the outlet to the wall.

Picture 1

2. Proceed by stripping the cable. Make sure to have enough length on the fibre to make a few turns inside the outlet. Insert the cable into the outlet and secure it with a zip tie, as shown in Picture 2. This will protect the cable from strain and potential damage.
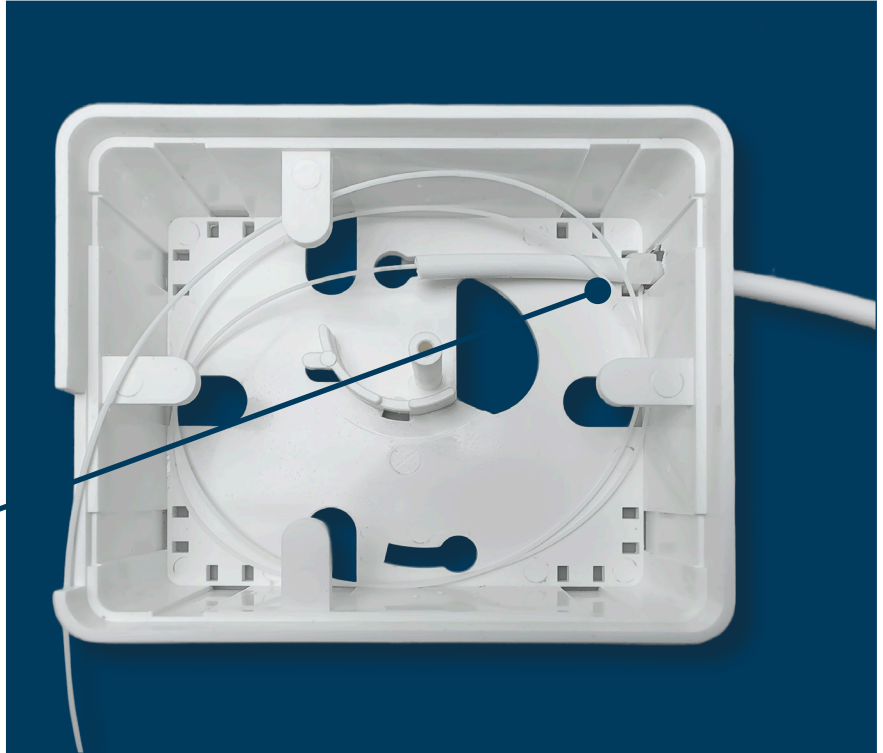
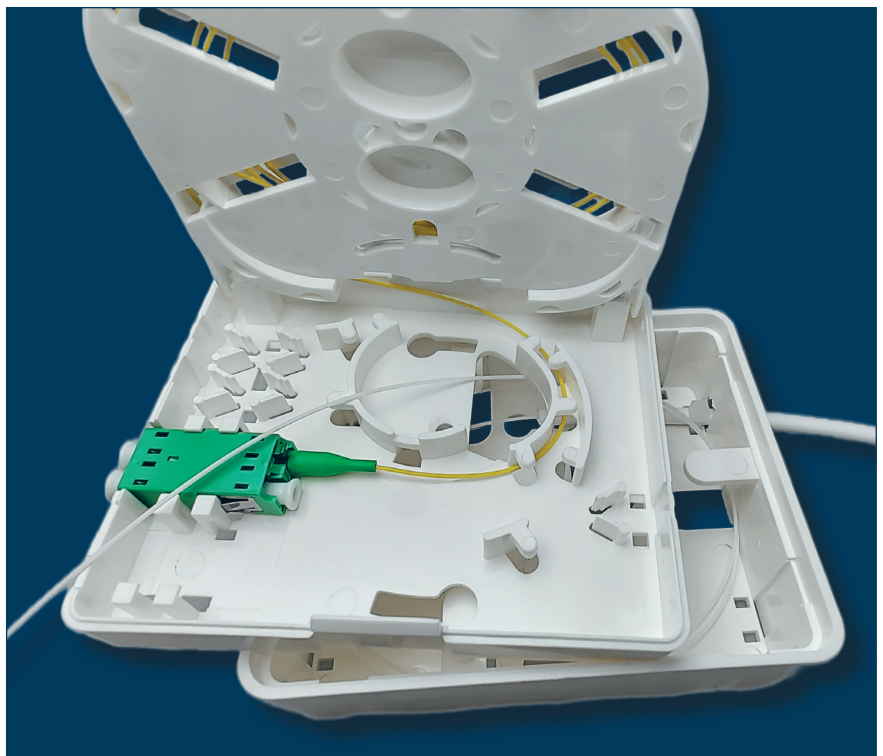Note! Optical fibres should not be damaged. Cut the damaged fibre, and re-strip the fibre if any damage occurs.

This method helps maintain reliable optical connections by preventing stress and movement that could potentially damage the fibres over time.

Picture 2

3. Now, coil the fibre inside the outlet, then route it onto the install tray, see Picture 3.

Picture 3

Warning! Never look directly into the end of a fibre or a fibre connector that may be carrying laser light. Laser light, visible or invisible, can seriously injure eyes or even cause blindness.

4. Using a screwdriver, install the screw to secure the outlet to the install tray. See Pictures 4 and 5 for reference.
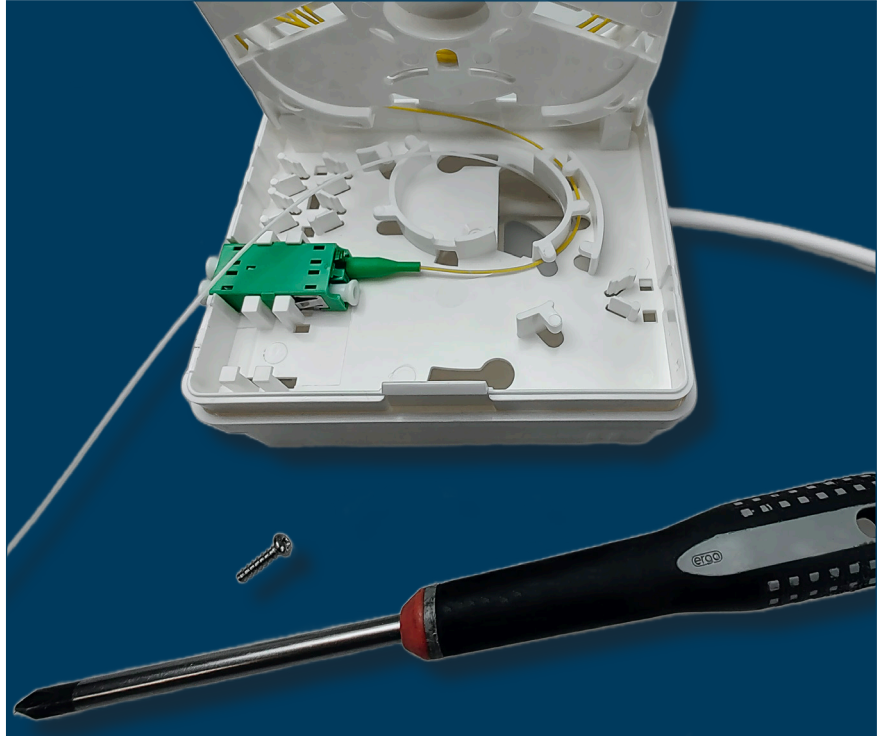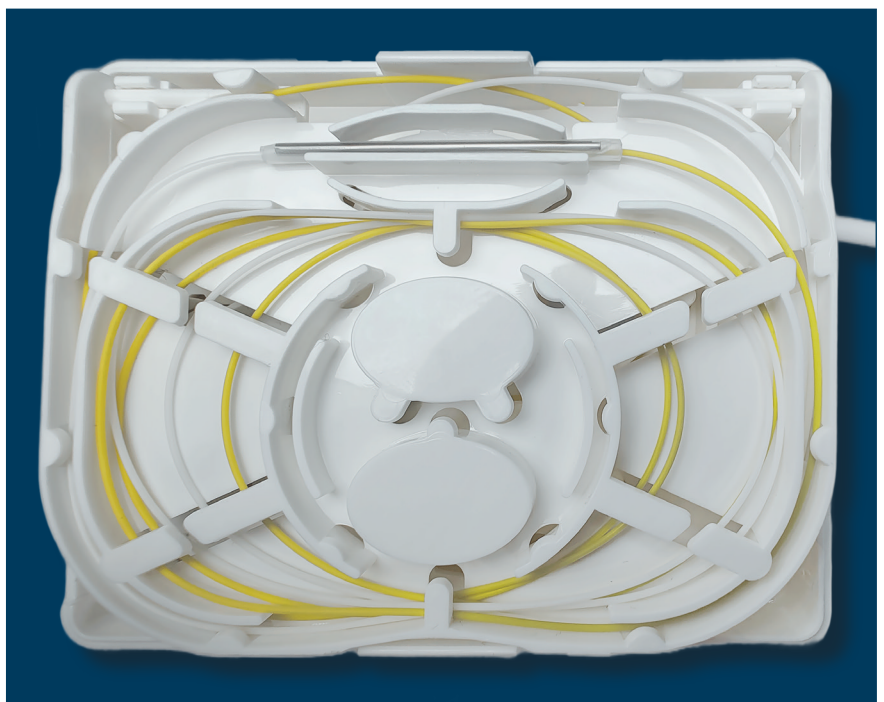

Picture 4

Picture 5

5. Route the fibre along the designated path and onto the hinge tray, as shown in Picture 6.
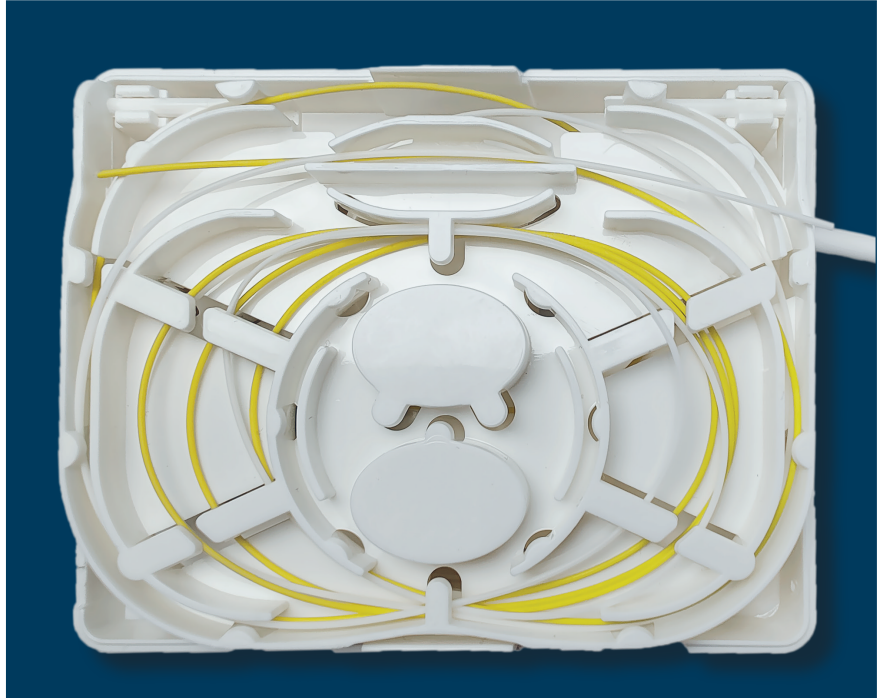
6. After that, coil and position the fibre and pigtail in the splice management area. Splice the fibres and insert the splice into the splice holder. Ensure that all fibres are securely placed within the frame to prevent any damage. See Picture 7 for reference.

7. Finally, attach the lid and gently brush off any dust or dirt to ensure a clean finish. The installation is now successfully completed. See Picture 8 for reference.

Picture 8

Wall fixing plug
and self-tapping
screw
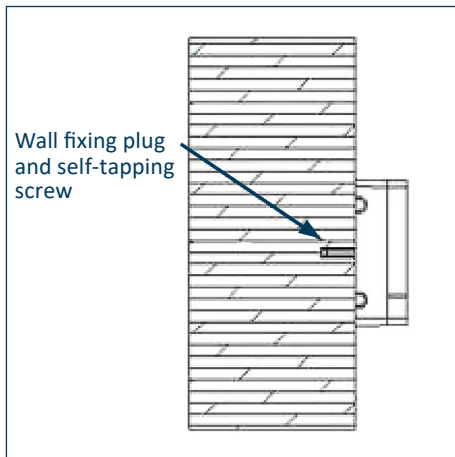
TEN-FWO10B - Wall mounted.

Mounting Guidance

To successfully complete a wall mount installation, follow the guidance steps outlined below. Ensure you have all necessary tools and materials on hand before beginning the process.

1. Drill holes in the wall at the designated locations. Insert the wall fixing plugs into these holes. Position the box so that it aligns perfectly with the drilled holes. For additional visual guidance, please refer to picture 12.

2. Once aligned, secure the box in place by inserting and tightening the self-tapping screws.

Legal Declarations

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