



FTTH Fibre Outlet - TEN-FWO22 Installation Guide

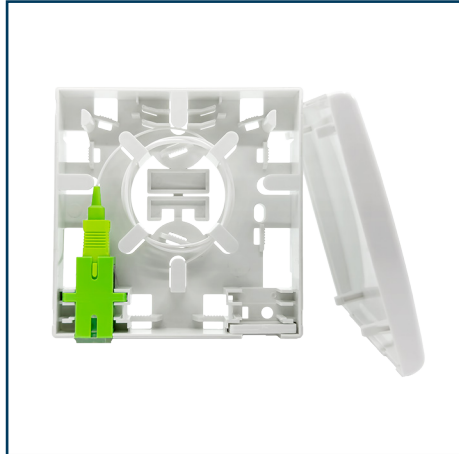
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Getting Started



TEN-FWO22 - Fibre Outlet

Introduction

Thank you for purchasing this Teleste product. The TEN-FWO22 is a modern and compact FTTH Fibre Outlet, designed for indoor mounting in customer premises. The unit is designed for swift and easy installation, and provides an interface between the network and the customer device. This guide will take you through all the steps necessary for a successful installation.

Package Contents

Please unpack the TEN-FWO22 and verify that all items are present, as shown in Figure 1. If any items are missing then please do not hesitate to contact your local seller for help.

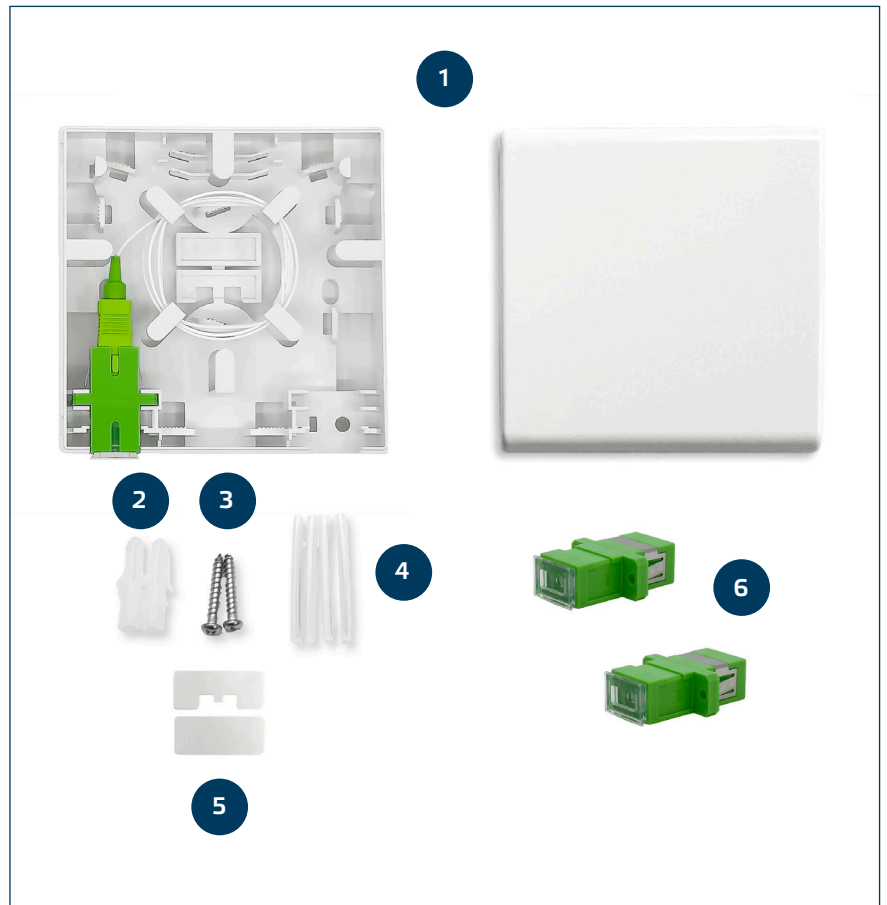


Figure 1 - Package contents

1. FWO22 Fibre Outlet (optional pigtail(s))
2. Wall fixings
3. Fixing wall screws
4. Splice protectors
5. Entrance covers
6. Adapters (optional)

Installation Instructions



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



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.

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

General Preparations and Precautions

1. Check the Fibre 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. Standard instruments and tools should be used during the installation.

Fibre Routing

Figure 3 illustrates the preferred method of routing the fibres. The method protects the fibres and maintains a proper bend radius.

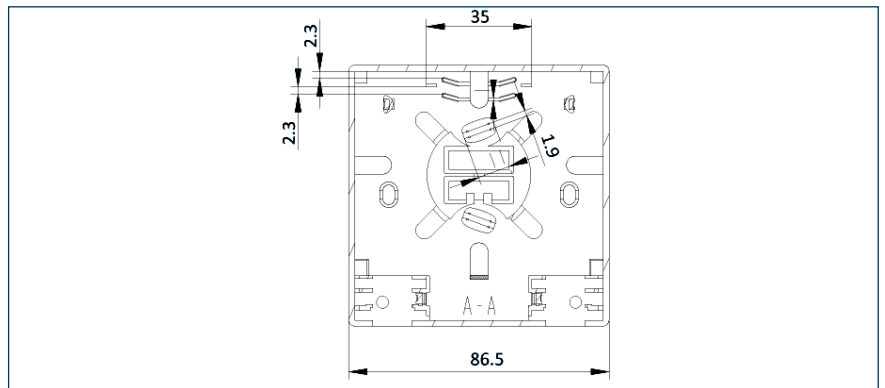
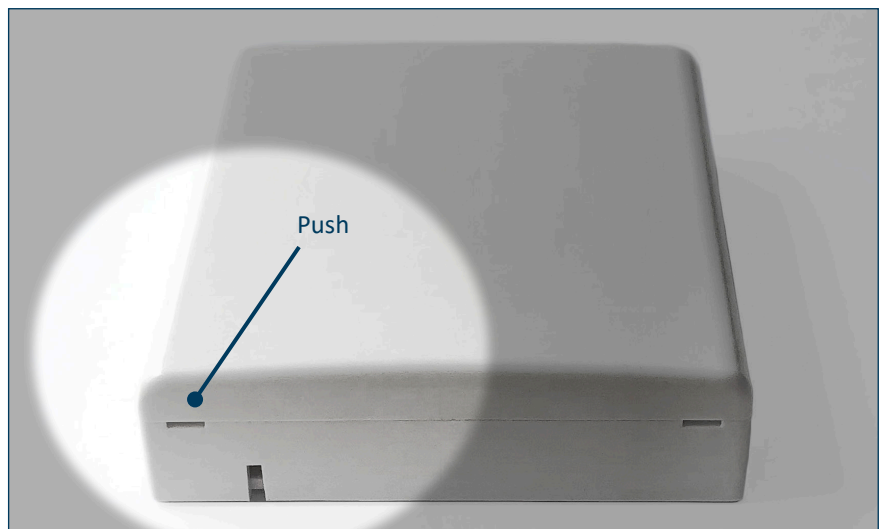


Figure 3

Installation Guidelines

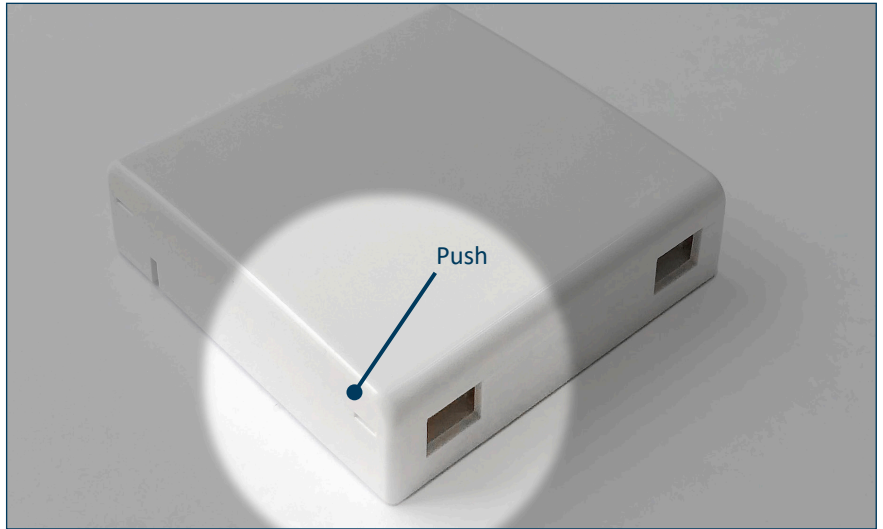
1. Push on the front side of the box, open the cover. See Picture 1 through 3.



Picture 1



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.

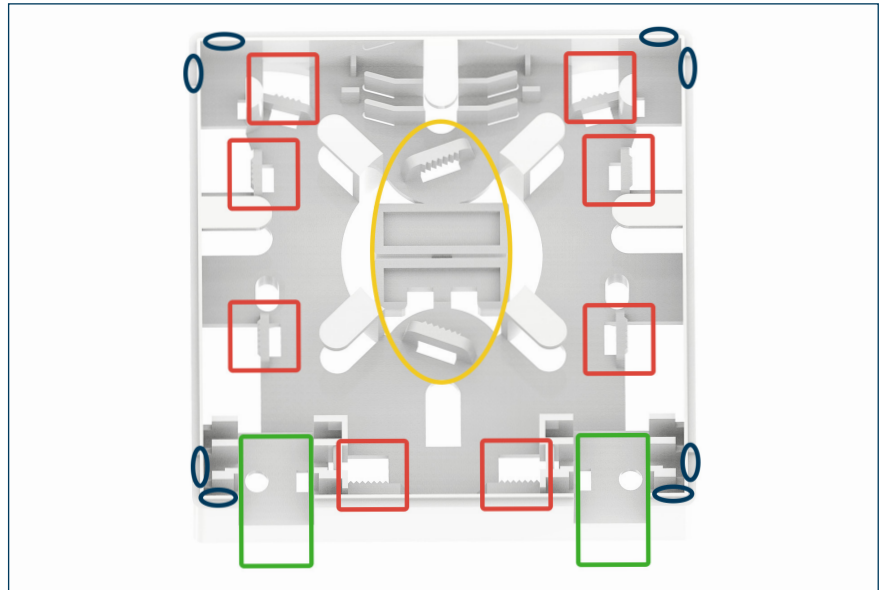


Picture 2



Picture 3

2. The TEN-FWO22 supports multiple cable entry methods. Picture 4 illustrates various entry methods as well as positions for removable plastic clips that may be removed depending on the preferred installation method, blue symbols illustrate these positions. The yellow symbol illustrates the option where the incoming cable is routed through the back plate centre opening, it offers two positions of cable tie fixings, the method is shown in Picture 7. Red symbols illustrates positions where the cable can conveniently be routed through the backside of the plate and later secured. Cable tie fixings are available next to each entrance opening, the method is shown in Picture 5 and 6. Green boxes illustrates the option which allows the cable to enter through an adapter opening, the method is shown in Picture 8 and 9.

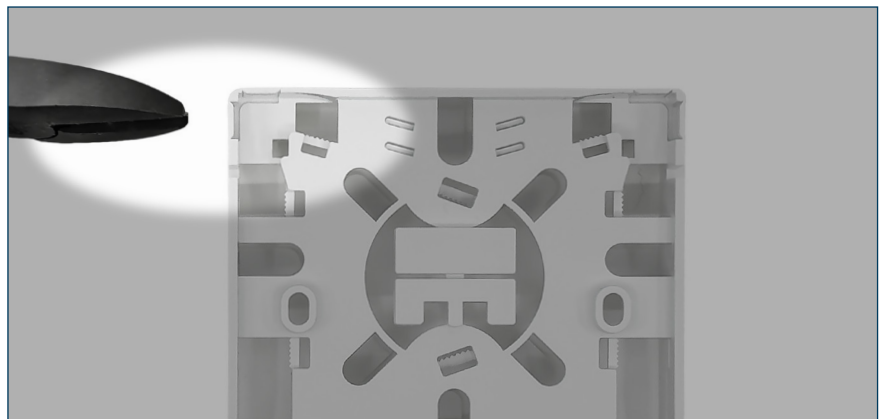


Picture 4

3. **Cable Entry Method 1** (depicted in Picture 4 in red/blue):
Remove the plastic clip covering the cable entry, see Picture 5.
The cable enters the outlet from the side/backside and are being conveniently secured in a cable tie fixing, see picture 6.



Note! Make sure to secure the incoming fibre cable with a cable tie. Care should be taken not to over-tighten, since it can damage and deform the fibres and may attenuate and reduce the performance of the optical cable.

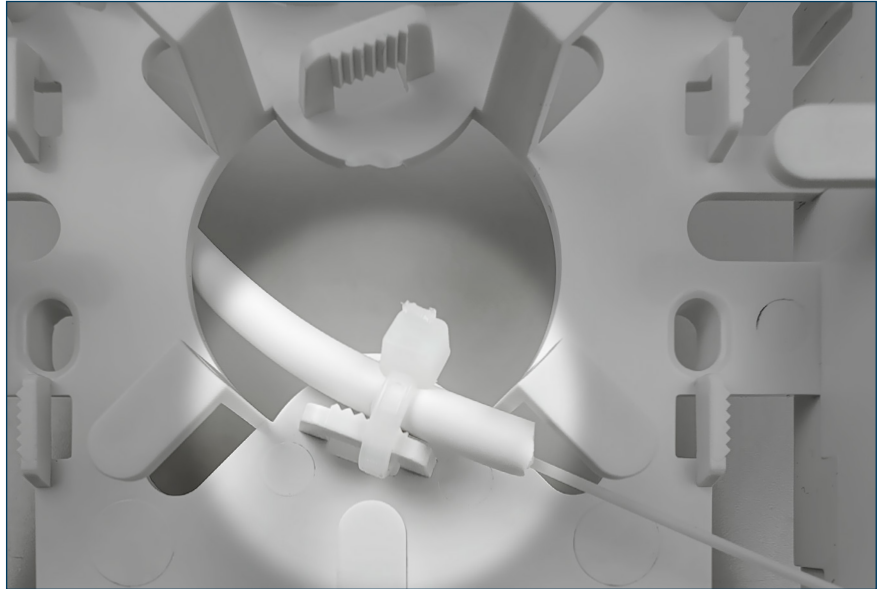


Picture 5



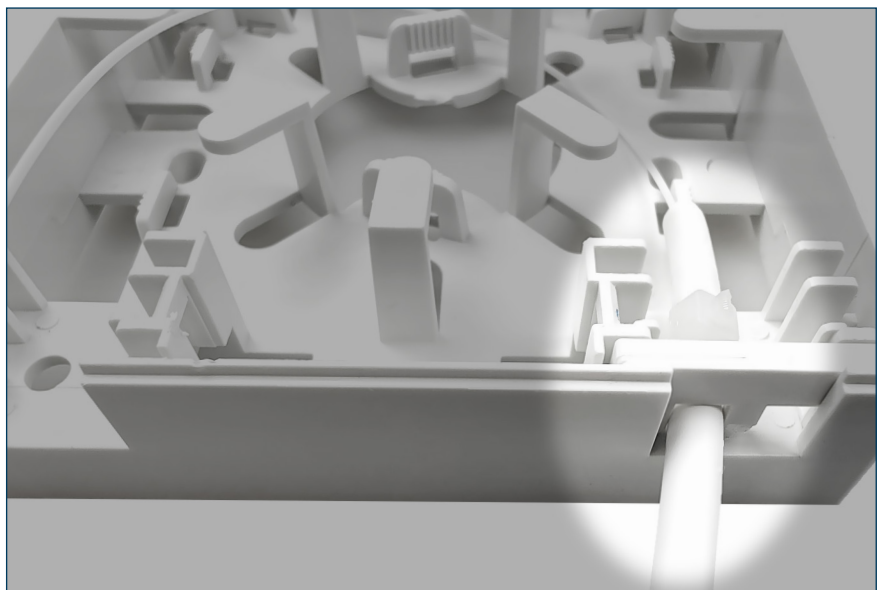
Picture 6

- Cable Entry Method 2** (depicted in Picture 4 in yellow):
Remove the adapter entry covers and bring the cable through the centre hole of the back plate. Secure the cable in a cable tie fixing.

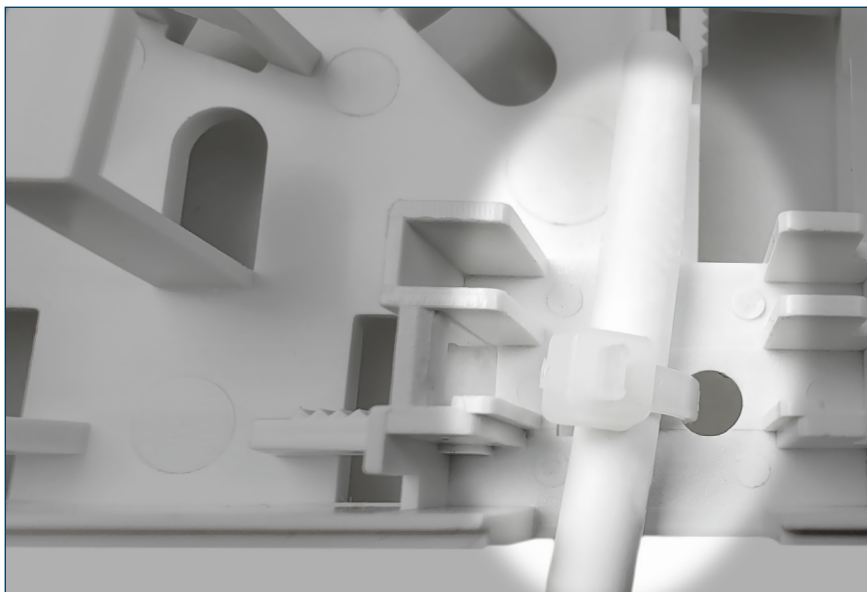


Picture 7

- Cable Entry Method 3** (depicted in Picture 4 in green):
This method allows for the cable to enter the outlet through one of the adapter openings, see Picture 8. The approach supports cables up to 7 mm in diameter. Secure the cable with a cable tie using the designated openings as shown in Picture 9.

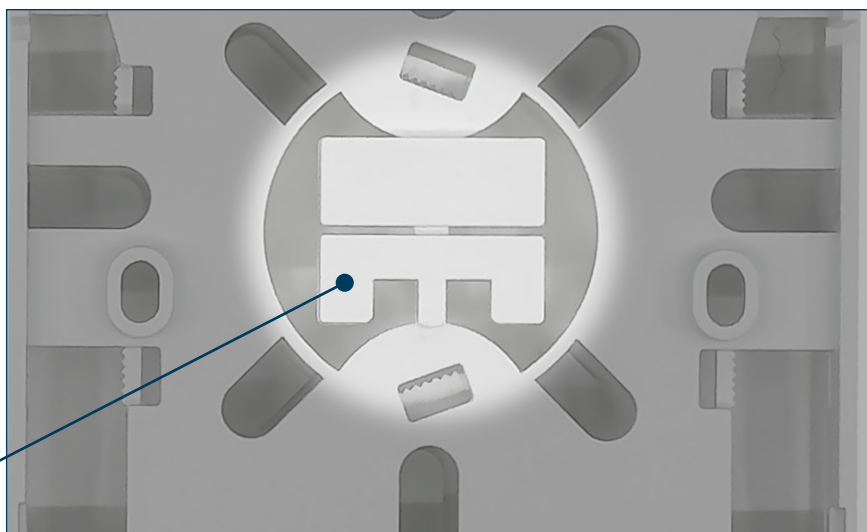


Picture 8



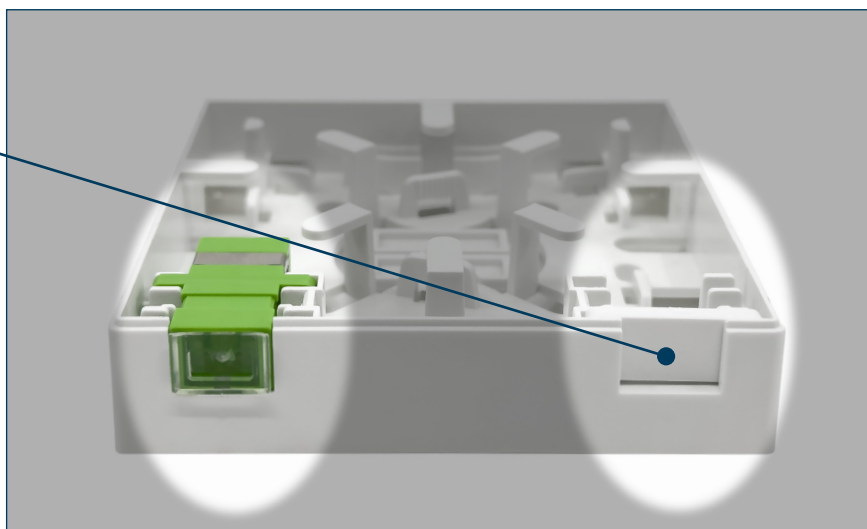
Picture 9

6. Install adapter(s) into the outlet, see Picture 11.



Picture 10

Note! Unused adapter openings may be sealed using the 'Entrance Covers' shown in Picture 10.



Picture 11



Note! Ensure that the work area and the tools are kept clean and free of dust. Negligence may degrade the fibre strength and cause increased splice losses.



Note! Optical fibres should not be damaged. Cut the damaged fibre, and re-strip the fibre if an accident occurs.



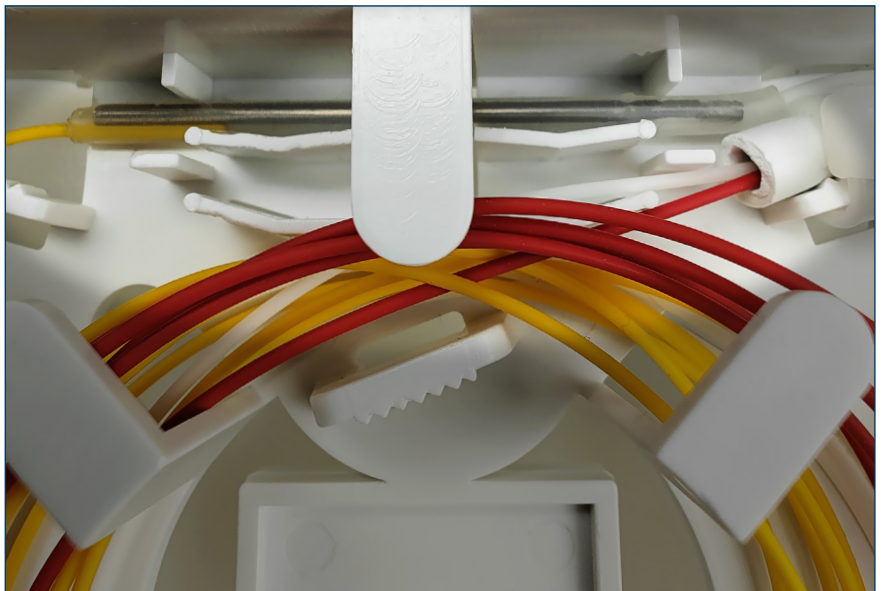
Note! Take extra care not to damage the fibres. Imperfections like e.g. scratches can initiate a crack. Use a standard fibre stripper designed for the appropriate cable diameter.

- 7. Install the 0.9 mm pigtail into the adapter, thread the pigtail through, organise and route around the radius limiters as illustrated in Picture 12.



Picture 12

- 8. Splice the drop cable with the pigtail, organise and coil any excess cabling around the radius limiter, then place the sleeve in the splice holder, see Picture 13.



Picture 13



TEN-FWO22

Mounting Guidance

This Fibre Outlet can be mounted directly to any wall. To carry out a wall mount installation: Drill two holes over the wall based on the size in Figure 4. Place the expansion plugs, place the box to match up the holes and use the provided fixing screws to fasten, see Figure 5.

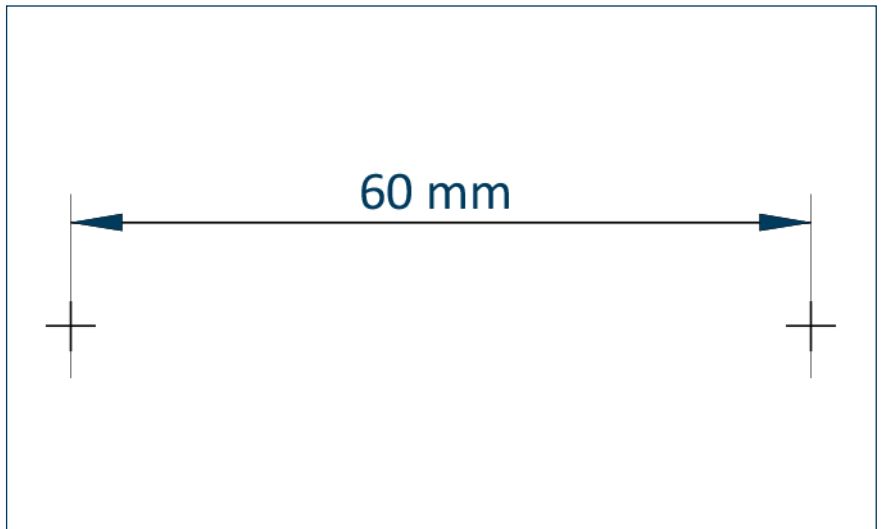


Figure 4

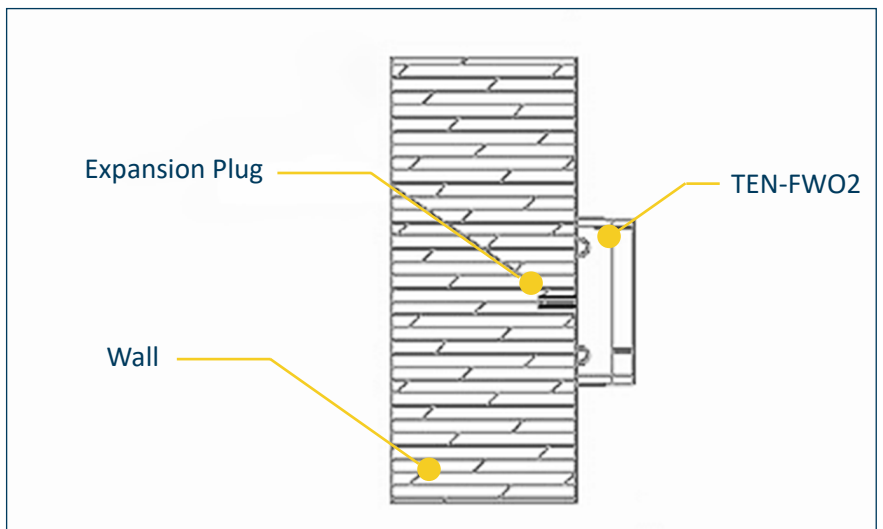


Figure 5

Legal Declarations

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