ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Installing the adapter on the terminal box



Overview

Complete the following steps to plug in the DTA. Connect the coax cable to the cable port on the DTA and to an active cable outlet.

Key Takeaways

To use a terminal box installation adapter, mount the box securely, pass cables through the adapter components, and tighten the grommet and thread to ensure a sealed and stable connection.Tools and Materials Needed

• Terminal box with pre-installed adapters

• Screwdriver (typically pan head)

• Drill and appropriate drill bits

• Dowels and screws for wall mounting

• Hammer

• Cable cutters and strippers

• Cleaning agent (for fiber optic cables, if applicable)

• Gloves to prevent contamination

Step-by-Step Installation

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1. Mount the Terminal Box Open the terminal box using a screwdriver and place it on the designated wall location. Mark the positions for drilling through the pre-identified holes. Drill the holes, insert dowels with a hammer, and secure the box with screws until tight ( ). 2. Prepare the Input and Output Ports Identify the input port (usually bottom right) and output port (bottom left). Each port has three components: the base, the grommet, and the thread. Pierce the thin membrane in the grommet to allow cable passage ( ). 3. Insert the Cable Through the Adapter

• Pass the cable through the thread first, then the grommet, and finally into the base of the terminal box.

• Insert the grommet into the base and screw the thread into the base until the cable is tightly secured and the grommet conforms to the cable shape ( ). 4. Strip and Connect the Cable Once enough cable is inside the terminal box, strip it to expose the strength member and loose tube (for fiber optic cables). Connect the indoor/outdoor assembly, such as a jumper or pigtail, to complete the connection ( ). 5. Secure the Output Cable Repeat the same process for the output port: pass the cable through the thread, grommet, and base, then screw the thread to secure the grommet and cable ( ). 6. Label and Finalize Label the terminal box and cables for easy identification. Ensure all connections are tight, and the box is properly sealed to prevent dust or moisture ingress ( ).
Tips for a Reliable Installation
• Always wear gloves when handling fiber optic cables to avoid contamination.

• Use a cleaning agent to clean cable ends and adapters before connection.

• Verify that the cable is not twisted or bent sharply inside the box.

• For electrical terminal boxes, ensure power is off before connecting or disconnecting wires ( ). Following these steps ensures a secure, sealed, and properly connected terminal box installation using the adapter, whether for fiber optic or electrical applications.

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