OWB-S Small Wall-mounted Box
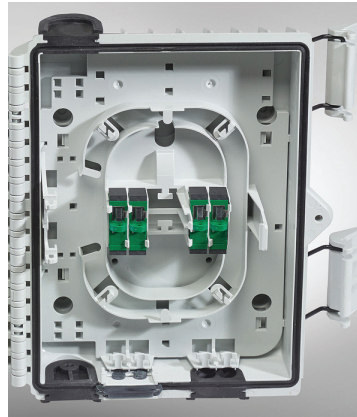
CONTENTS

1 INTRODUCTION

The OWB-S is a small wall-mountable fibre termination box, providing an environmental and mechanical protection for the fiber management system that includes the functions of storage, splicing, and passive component integration.
The product is designed for typical use on a wall location, but can also be used in other above-ground applications.

2 KIT CONTENTS

Box with security screw and latch
Organizer tray
Splicing tray (optional)
Round rubber sealing for knock out port
Gel half-sealing for cut out port
Expansion screws or pole mounting option
Adaptor, splicing protector, or splitter (optional)
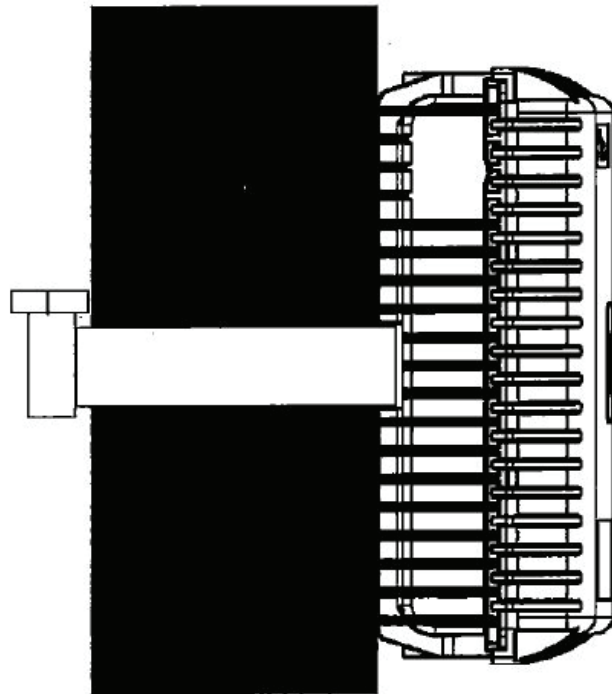Foam strip and tie-wraps

3 INSTALLATION

3.1 Box Installation

3.1.1. Release the security screw & latch to open the box.
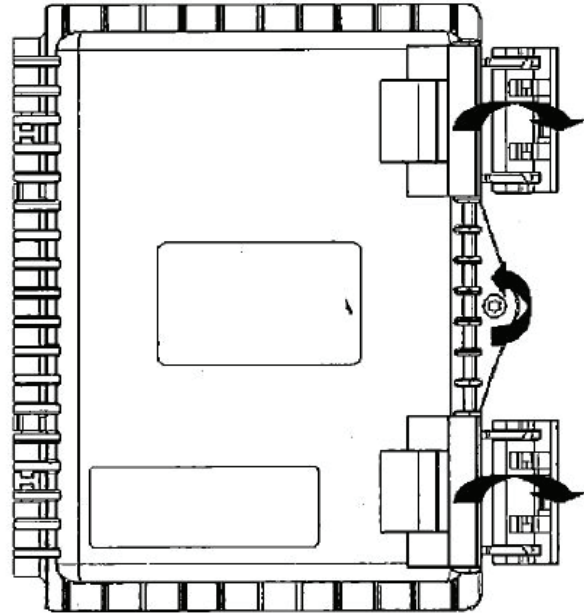
3.1.2. For pole mounted
Pull the mounting belt through the back side and tighten the screw.

3.1.3. For wall mounted

Push sideward to the hook and take off the organizer tray.

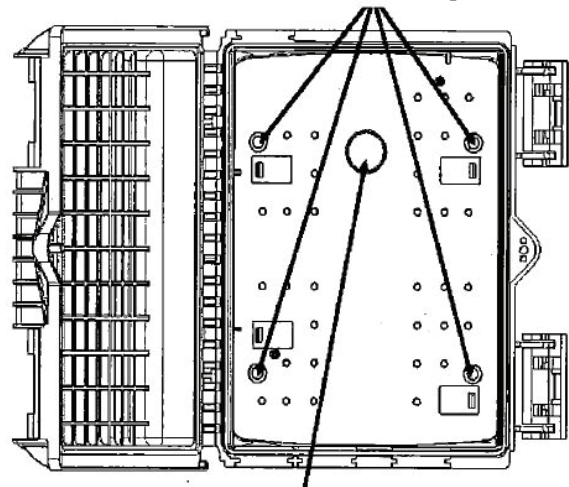Knock out 4 fixation holes and fix the box on the wall by expansion screws.

Put the organizer tray back.

Note: The fixation map on page 7 can be used for expansion preparation.

fixation point before fixation.

Knock out the rear cable port and put the sealing on if cable comes from rear.

3.2 Conduit Installation

3.2.1. For situations when cable is fed by contuit, if the installation is not in a termite state and is above the pit, install with minimum to zero gap. If the installation is in a termite state 20mm gap for visibility of pests. If the box is level with or below the pit water level, then the gap for water flow needs to be 20mm.

3.3 Cable Installation

3.3.1. There are cable entry ports on the rear, sides, top & bottom of the box.

Note: The bottom ports are preferred to use for cable entry.
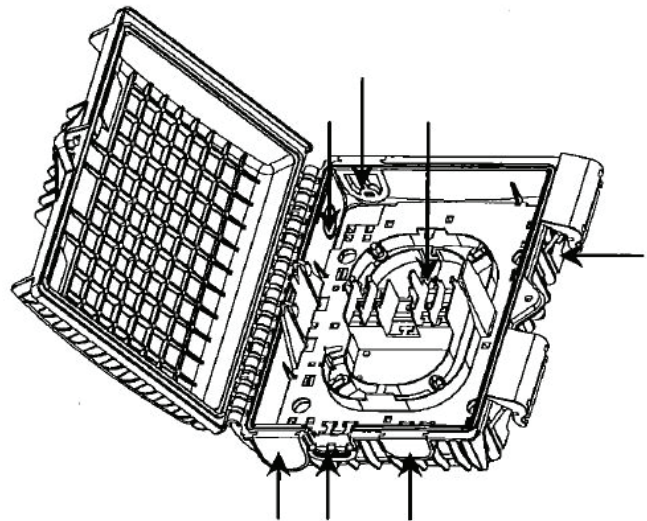
3.3.2. Remove the required amount of outer sheath from the cable according to manufacturer's recommended procedures.
Note: For splicing application, ensure a minimum 2m length of cable is stripped from the fixation point before fixation.
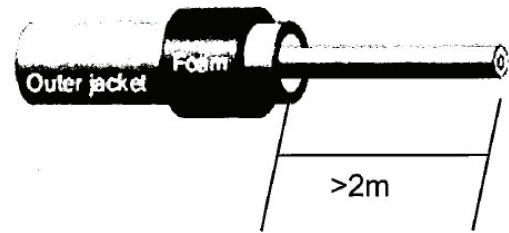

3.3.3. Lift the rubber seal of the box. Cut and place the bottom half of sealing accessory in the underside of the rubber to the centre of port seal, hook outwards.
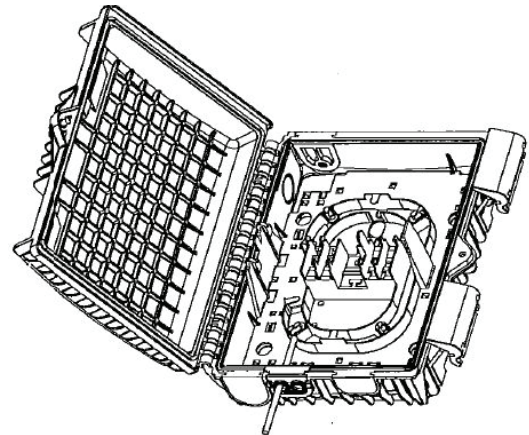

Note: If there is no connector on the cable end, the cable can enter the box directly through the rubber seal. Knock out the side cable port and put the sealing on if needed. The cable from right side should pull through the latch.

3.3.4. Fix the cable to the box using foam and cable ties and store as per local procedures. Refer to below drawings for cable routing from different entrance positions.
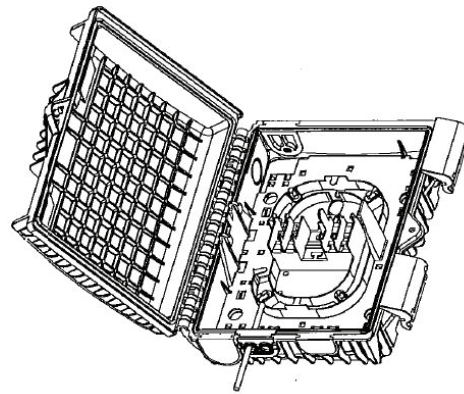**Note: For main cable, raise the cable by a wedge in the box if needed.**
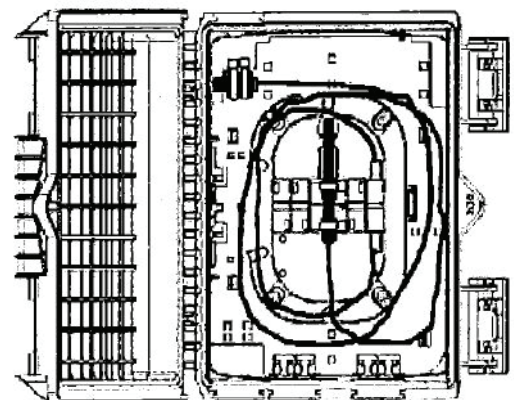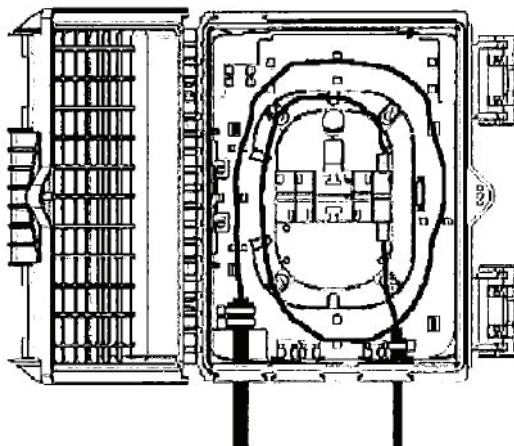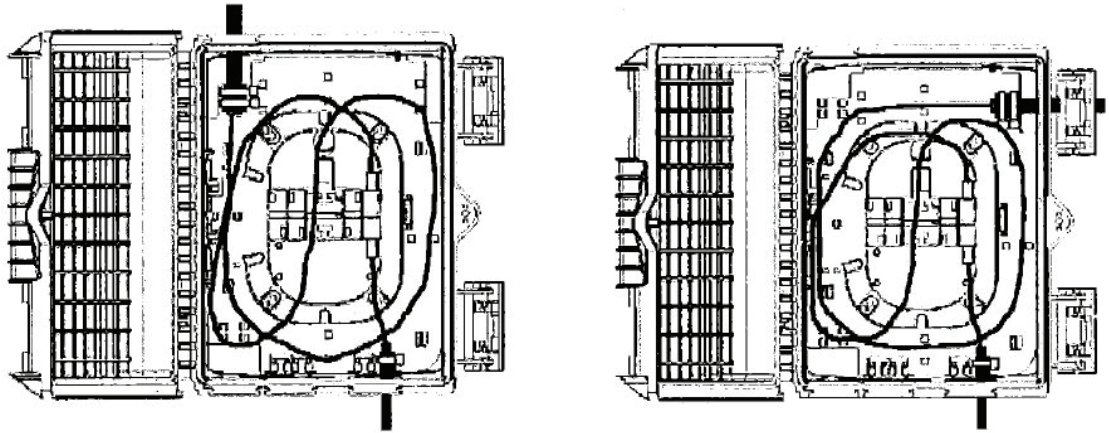
3.3.5. For splicing application, route the cable to the splicing tray.
For no splicing application, plut the connector to the adaptor directly.

3.3.6. Push upper half of sealing
accessory back over the cable,
hook inwards ensuring that it is
correctly seated.

3.3.7. Install the other cables as above.

3.4 Fibre Splicing

Follow local safety regulations to splice fibre on the splicing tray.

3.5 Closing the box

3.5.1. Push the splicing tray back (if installed) and ensure it is latched close.
latch to open the box.

3.5.2. Close the box by closing the latched and tighten the security screw.

COMMSCOPE®

CommScope
8000 Purfoy Road
Fuquay-Varina NC 27526-3000
Tel.: 919-557-8900
Fax: 919-557-8948
www.commscope.com

CommScope (logo) and CommScope are trademarks of CommScope, Inc.
The information given herein, including drawings, illustrations, and schematics, which are intended for illustration purposes only, is believed to be reliable; however, CommScope makes no warranties as to accuracy or completeness, and disclaims any liability in connection with use. In no case will CommScope be liable for incidental, indirect, or consequential damages arising out of the sale, resale, use, or misuse of the product. Users of CommScope products should make their own evaluation to determine the suitability of each such product for the specific application.

Fixation map (scale 1:1)

4xφ5mm

110mm

109mm

109mm

110mm
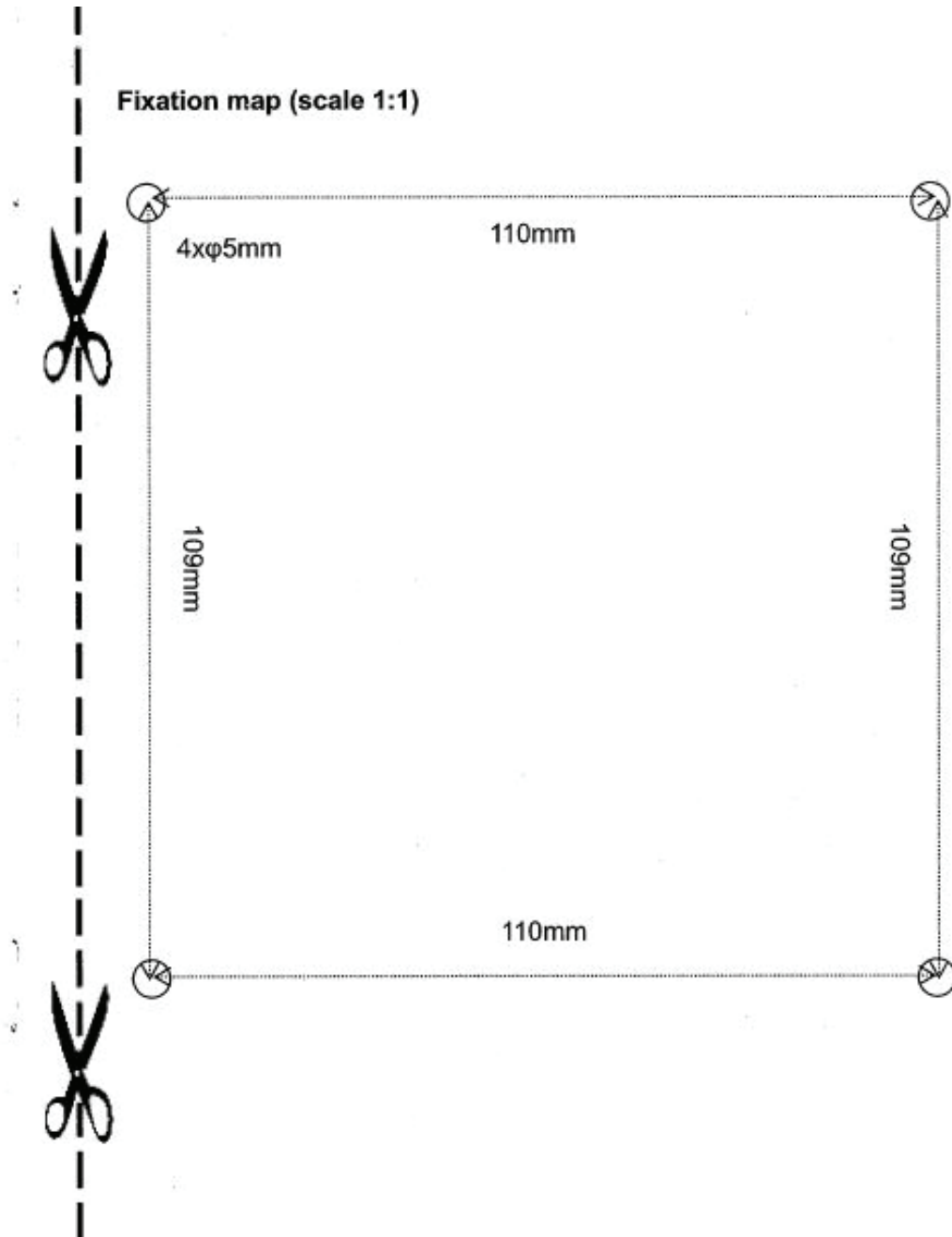
This page is deliberately blank.