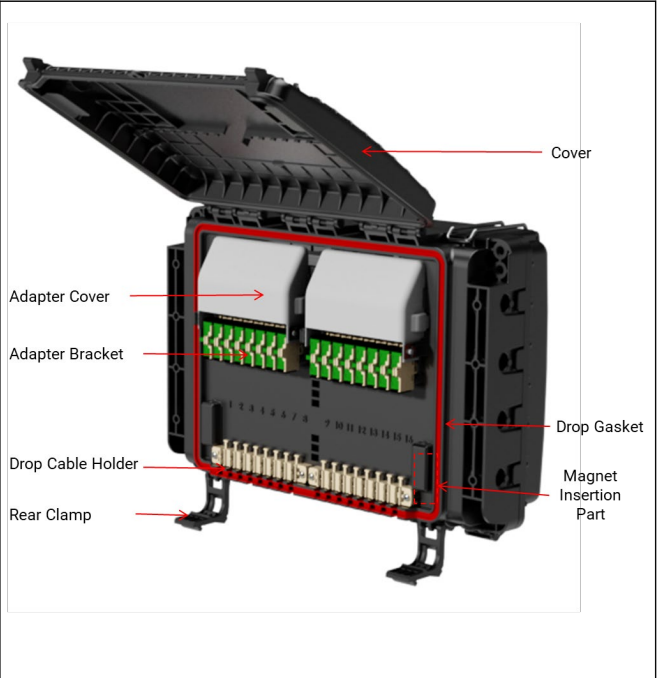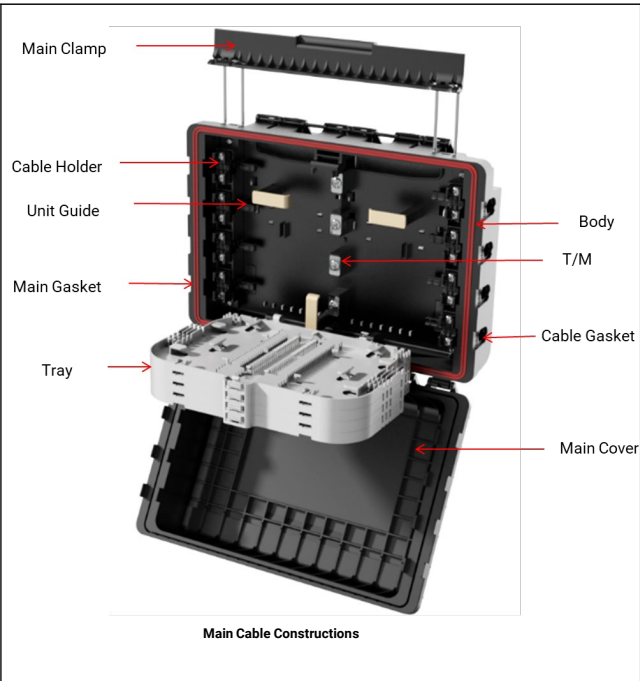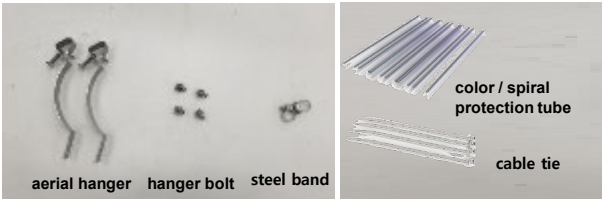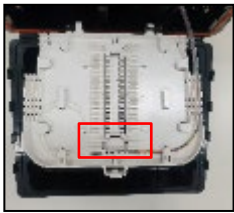# Aerial Splicing Closure Installation Manual

The enclosure is designed to protect and distribute fiber optic splice points, divide optical signals, and connect individual subscribers in various applications. This product can accommodate different types of splitters, such as 1x4 and 1x8.

The closure can accommodate a maximum of 16 drop cables. The main cable work at the front does not affect the adapter and drop cable because the adapter is located at the rear of the closure. Additionally, it provides mechanical cable clamping for mid-span branching method, allowing you to enhance your network system.

Main Clamp
Cable Holder
Unit Guide
Main Gasket
Tray
Body
T/M
Cable Gasket
Main Cover

Main Cable Constructions

Cover
Adapter Cover
Adapter Bracket
Drop Cable Holder
Rear Clamp
Drop Gasket
Magnet Insertion Part

ITEM.	Aerial Splicing Closure
Size (mm)	330 x 220 x 139 mm
Weight (kg)	2.3kg
Inlet Ports	Main: 8ports, Drop: 8ports (Option.16ports)
Cable Diameter (mm)	Main cable : Ø6 ~ Ø13 Drop cable : Ø1.8 ~ Ø3.5
No. of Splice Tray	4 EA
Tray Capacity	24C (Max. 48C)
Splice Capacity	96C (Max. 192C)
Splice Method	Mechanical
Splice Protector	Heat shrinkable sleeve
Patching Capacity	8EA (Option. 16EA)
Mounting Type	Aerial

aerial hanger   hanger bolt   steel band

color / spiral protection tube

cable tie

KNET Co.,LTD
www.e-knet.com
inquiry@e-knet.com

Provides Solutions for Next

Splitter Mounting

Insert the supplied spiral tube into the splitter cord.

Mount the splitter housing to the indicated area in the figure on the left.

Move the splitter cord to the rear part through the bottom surface of the body along the path shown in the left figure.

※ Insert the spiral protection tube into the splitter fixing part in the center of the bottom of the body.

Open the rear part cover and clamp to reveal the inside of the subscriber part.

Lift the adapter cover forward to open the adapter.

Connect the connectors of the splitter to the adapter in the correct order.

Close the rear part in the reverse order of opening and then seal the main part.

Mounting an aerial hanger

Attach the aerial hanger and aerial hanger assembly bolts provided as accessories to the rear hanger assembly part.

※ Pay attention to the direction of the aerial hanger (refer to the figure on the left)
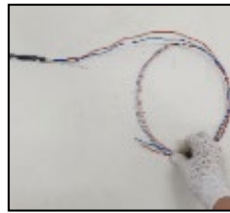
Hanging the Closure

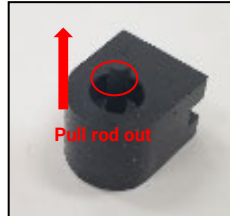After loosening the hex bolts on the upper part of the hanger, mount the hanger on the wire.

Tighten the hex bolts to fix the machining hanger to the wire.

Stripping Cable

Remove the sheath of cable about 150cm.

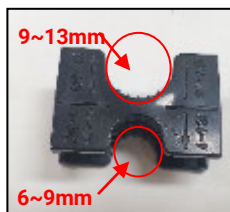Cut the Central Strength Member leaving about 8cm.

Remove the cable gasket protrusion

Pull rod out

Remove the cable gasket by pulling strongly on the protruding rod as shown in the picture on the left.

Sheath holder & bolt

Loosen the sheath holder fixing bolt appropriately so that the optical cable can be inserted.

9~13mm

6~9mm

※ Verify the sheath holder diameter.

T/M screw set

Loosen the T/M screw for attaching the central tension line correctly.

※ **Be careful not to lose the screw when loosening it.**

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Insertion of cable gasket / Fixing of sheath holder

After inserting the optical cable into the cable gasket, tighten the outer jacket holder.

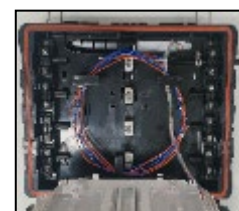※ Be careful as the optical cable may be damaged when screwing with excessive force.

Steel band fastening

Attach the steel band to the post located in front of the outer shell holder.

T/M fastening

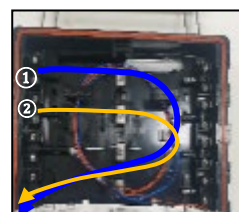After inserting the central tension line into the groove at the bottom of the T/M NUT, fasten the screw.

Unit storage

Units not in use are arranged in a circular shape and stored inside.
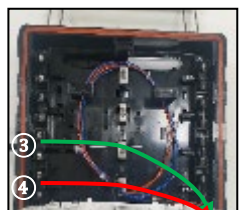
Insert protective tube

Insert a protective tube of suitable length (about 50cm) into the unit.
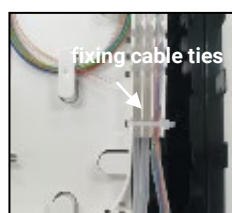
Protection tube path

Move the protective tube to the path shown in the figure so that it is not twisted or damaged.

※ In the case of ①~② wiring port, move the protection tube as shown in the picture on the left.

※ In the case of ③~④ wiring ports, move the protection tube as shown in the left figure.

Protective tube fixed

After placing the end of the protection tube at the inlet of the dressing plate, attach it with a cable tie.

fixing cable ties

Fiber Optic Arrangement / Connection Preparation

For smooth connection, arrange the unit and optical fiber inside the tray.
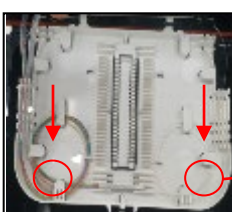
Fiber optic splicing

Connect the optical fiber according to the connection method. After the connection is completed, follow the procedure below to install the tray cover.
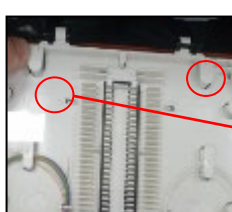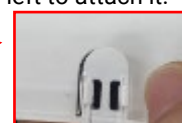
Check tray order

1
2
3 (adding)
4 (adding)

Tray cover installed

Insert the tray cover into the groove on the tray top plate shown in the picture on the left to attach it.

b. Press the holes located at the bottom of both sides to install.

※ Assembly structure of the detachable method that fits into the groove
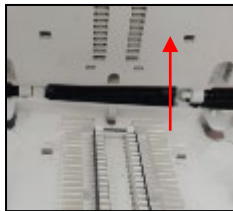
Tray closure

It is attached to the body using the tray hook.
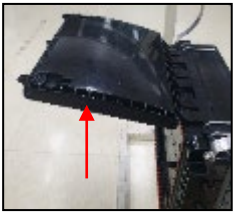
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Main part closed
Close the main part by closing the main clamp and main cover.

※ How to install when adding tray
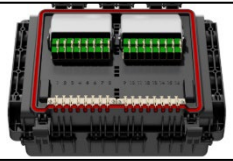The left side of the tray hinge is shown in the picture on the left (Cylindrical) to the existing hinge insert.

Align the right hinge (ring type) position and lightly mount it upwards so that it makes a clicking sound.
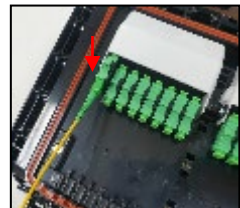
Rear cover open
Lift the rear cover up until you feel it snag.
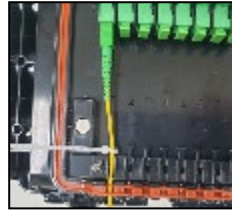※ Anti-tipping structure (keep about 110°).

Drop cable connection
Lift the adapter bracket upwards.

※ Up and downswing structure.

After removing the adapter cap, insert the drop cable.
Press the adapter bracket with your hand until it clicks in place, after inserting the drop cable.

Insert the drop cable into the drop cable holder located at the bottom and attach a cable tie to the tie-down post.
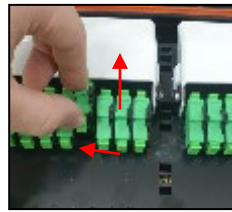
Rear part closed
Close the rear part cover and fix it by fastening the rear part clamps located on both sides of the bottom..

※ How to replace a bad adapter
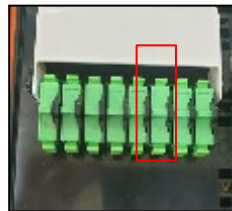Follow the procedure below to replace defective adapters.
Lift the adapter bracket upwards.

※ Up and downswing structure
With the adapter bracket slightly spread to the right, pull the adapter upwards.

With the adapter bracket slightly spread to the right, insert the adapter downwards.

Connect the drop cable to the replaced adapter.