

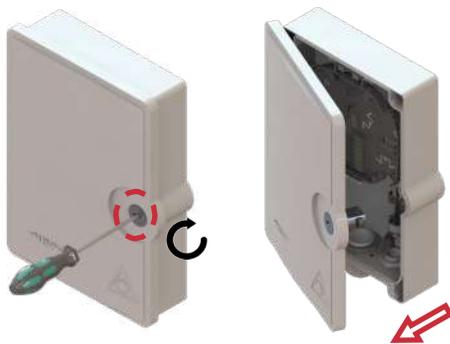
## PRODUCT INSTALLATION

### GENERAL

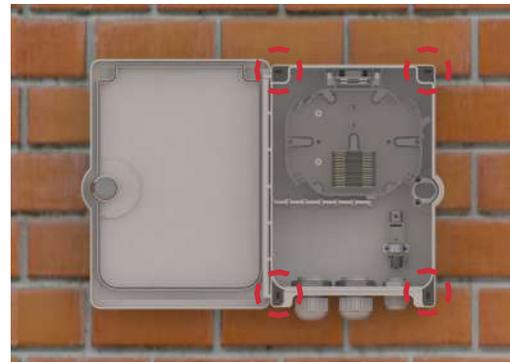
This document will serve as guide for installation method of the products "6 PORT FIBER OPTIC PRO TERMINAL BOX" some components in the manual can change depends of the configuration of terminal box selected.

### FIRST STEP - PLACEMENT

Open the terminal box using a pan head screwdriver (Fig.1). Place the terminal box on the designated zone of the wall. Once the terminal box is open and placed on the designated zone, identify the four holes then mark and use them to make the holes. (Fig.2)



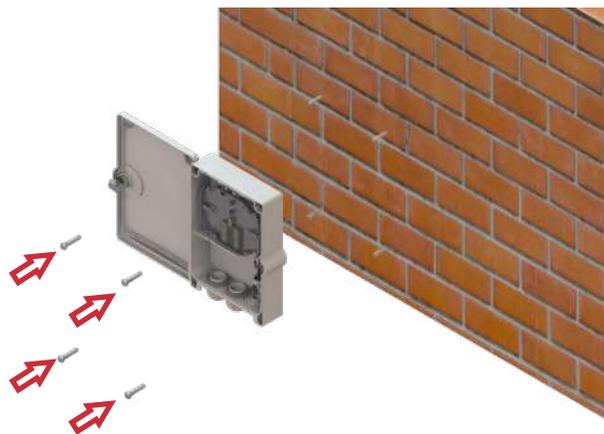
**Fig. 1** Opening of the terminal box.



**Fig. 2** Location of the holes to drill.

### SECOND STEP - WALL MOUNTING

Drill with the 4mm Drill Bit on the marks made on the wall. Once the holes are made, carefully insert the 4mmx27mm dowels using the hammer to have a better subjection. Next, place the terminal box and screw it until it is tight. (Fig.3)

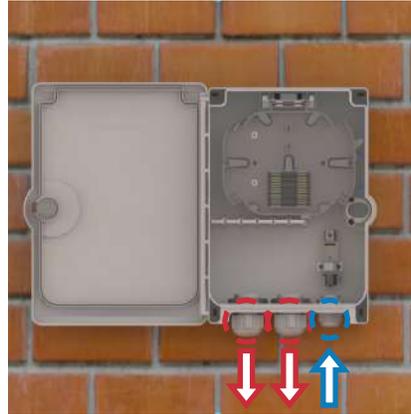


**Fig. 3** Placement of screws and dowels.

### THIRD STEP - IDENTIFICATION OF INPUT AND OUTPUT PORTS

Identify the Input port dedicated for the drop cable (that can be round or flat drop cable) which is located on the bottom right side of the terminal box. Now, identify the output port which is located on the bottom left side of the terminal box. (Fig.4)

**Note.** Input and output grommets have a thin membrane that you need to pierce when you want to pass through with your cable.

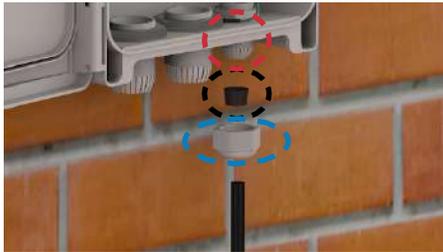


**Fig. 4** Input (Blue), Output (Red).

### FOURTH STEP - CABLE INPUT

You need to see that the input is composed by three parts: the base, the grommet and the cable gland clamp that fits into the base (Fig. 5). For a best sealing you need to pass the cable through the cable gland clamp first by then through the grommet by finally gets into the terminal box (Fig. 6).

You need to insert the grommet in the base how is shown in the Fig. 7 by then screw the cable gland clamp with the base until you feel the cable tight until the grommet take the form of the cable (Fig. 8) and then when you have enough cable inside the terminal box you will need to strip it to free the strength member (FRP's) and the loose tube outside of the cable.



**Fig. 5** Parts of the input port.

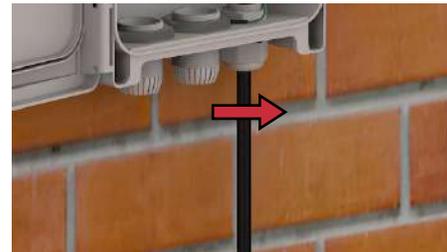
Base (red), grommet (black), cable gland clamp (blue).



**Fig. 6** Cable passed through the parts of the input port.



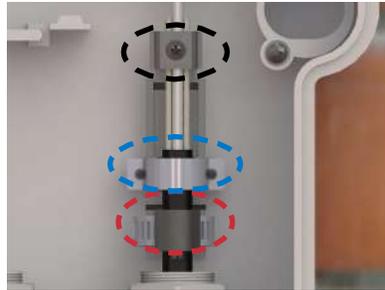
**Fig. 7** Grommet rightly collocated.



**Fig. 8** The cable gland clamp screwed in the base.

### FIFTH STEP - CABLE CLAMP

Insert the drop cable (previously stripped) through the input port (flat drop or round cable acceptance). Leave 1.77" (4.5 cm) and through the adjustable clamp. Then unscrew the cable clamp and place the input cable correctly then screw the cable clamp again. Finally unscrew the strength members clamp and insert the strength/s member/s into this clamp for then screw and tight as strong as possible and corroborate that the cable doesn't slips from the cable clamp and finally with a pan head screwdriver tight the adjustable clamp for avoid rotation in the cable. (Fig. 5).



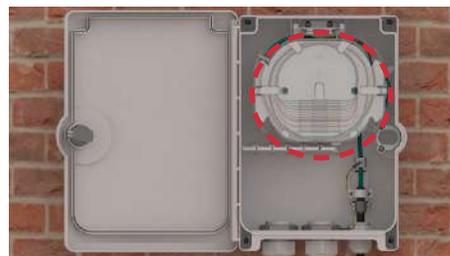
**Fig. 9** Adjustable clamp (Red), Cable clamp (Blue) and Strength members clamp (Black).

### SIXTH STEP - ROUTING

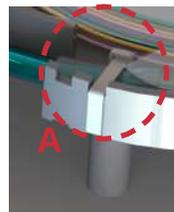
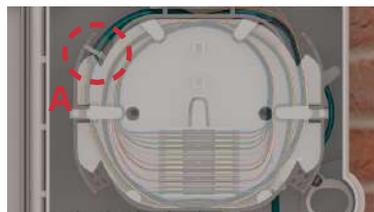
With the input cable previously clamped and stripped start routing the loose tube in the routing space and then move to the splice tray, in the beginning of the splice tray it is necessary to strip for the transition tube and put it into the loose tube finally use the plastic cable tie around the transition tube to have a better subjection.



**Fig. 10** Loose tube in the routing space



**Fig. 11** Loose tube in the splice tray



**Fig. 12** Subjection of the transition tube

### SEVENTH STEP - SPLICING AND CONNECTORIZATION

Once you have your cores already routed you will splice with the 12 pigtailed and connect them to the respective adapters. Then connect your indoor/outdoor assembly (Jumper or Pigtail) to complete the indoor/outdoor solution.

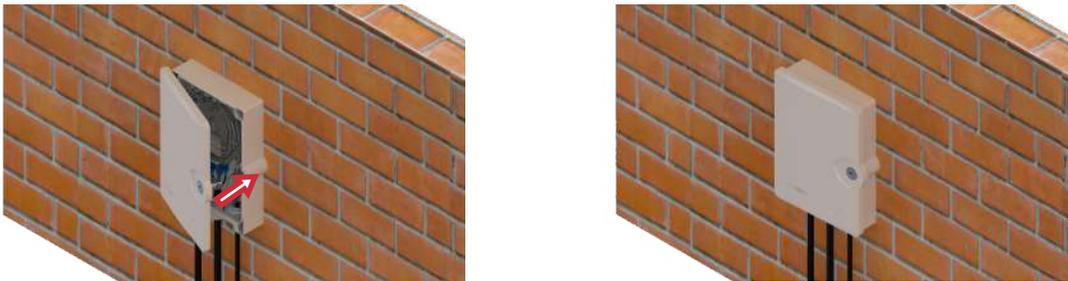
**Note.** The configuration of terminal box with adapters and pigtailed will have the adapters already pre-installed into the terminal box.



**Fig. 13** Terminal box completely connectorized.

### NINTH STEP - CLOSING THE TERMINAL BOX

Once the mounting process is over, close the terminal box until a click is heard. (Is not necessary to use the key for closing the terminal box)



**Fig. 14** Closing terminal box

### EIGHTH STEP - CABLE OUTPUT

For the cable output you need to pass the cable through the output port components passing the cable through the base, then across the grommet by finally passing through the cable gland clamp (Fig. 12). After that you need to place the grommet into the base (Fig. 13) by finally screwing the cable gland clamp with the base until you feel the cable tight (Fig. 14).



**Fig. 15** Cable passed through the output port components.



**Fig. 16** Grommet rightly collocated.



**Fig. 17** The cable gland clamp screwed in the base.

### NINTH STEP - CLOSING THE TERMINAL BOX

Once the mounting process is over, close the terminal box until a click is heard. (Is not necessary to use the key for closing the terminal box)



**Fig. 18** Closing terminal box