# Installation Manual

**1、Description：**

The equipment is used as a termination point for the feeder cable to connect with drop cable in FTTx communication network system. The fiber splicing, splitting, distribution can be done in this box, and meanwhile it provides solid protection and management for the FTTx network building.

**2、Features：**

1、 Total enclosed structure.
2、 Material: PC+ABS，wet-proof、water-proof、dust-proof、anti-aging, protection level up to IP65。
3、 Clamping for feeder cable and drop cable, fiber splicing, fixation, storage, distribution...etc all in one.
4、 Cable, pigtails, and patch cords are running through their own paths without disturbing each other, micro type PLC splitter installation,easy maintenance.
5、 Distribution panel can be flipped up, feeder cable can be placed by expression port,easy for maintenance and installation.
6、 Box can be installed by the way of wall-mounted or poled-mounted,suitable for both indoor and outdoor use.

**3、Specification：**

1、Environmental requirement

Working temperature：-40℃～+85℃
Relative humidity：≤85%（+30℃）
Atmospheric pressure：70KPa～106Kpa

2、Main technical datasheet
Insertion loss：≤0.15dB
UPC return loss：≥50dB
APC return loss：≥60dB

3、Thunder-proof technical datasheet

The insulation resistance between the grounding device and the metal parts of the box is no less than $2\times10^4$MΩ/500V（DC）; IR≥$2\times10^4$MΩ/500V

The voltage resistance between the grounding device,and the box and its metal parts is no less than 3000V（DC）/min, no puncture, no flashover; U≥3000V

**4、Configuration table：**

Table 1 Model and configuration

| Model | Description | Size (Pic 1) A*B*C(mm) | Max Capacity | Installation Size(Pic 2) | | Into the largest cable diameter(mm) |
|---|---|---|---|---|---|---|
| | | | | D*E*F | G*H | |
| 16 core | Spllitter Box | 208*241*117 | 16（SC/APC） | 179*212*126 | 21*52 | 18 |

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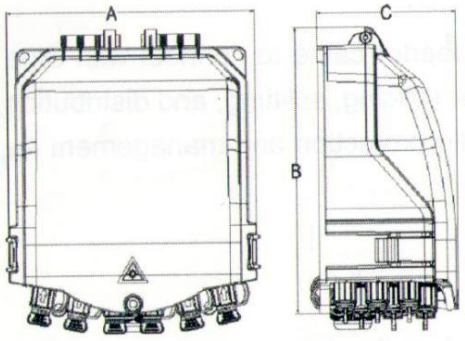
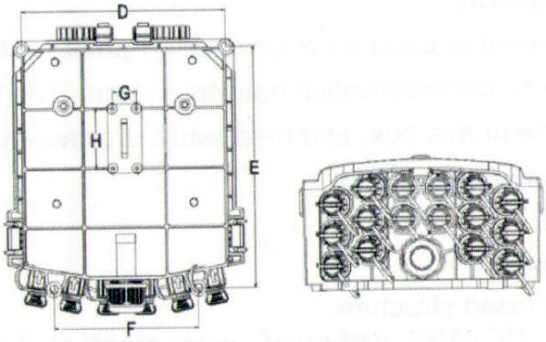
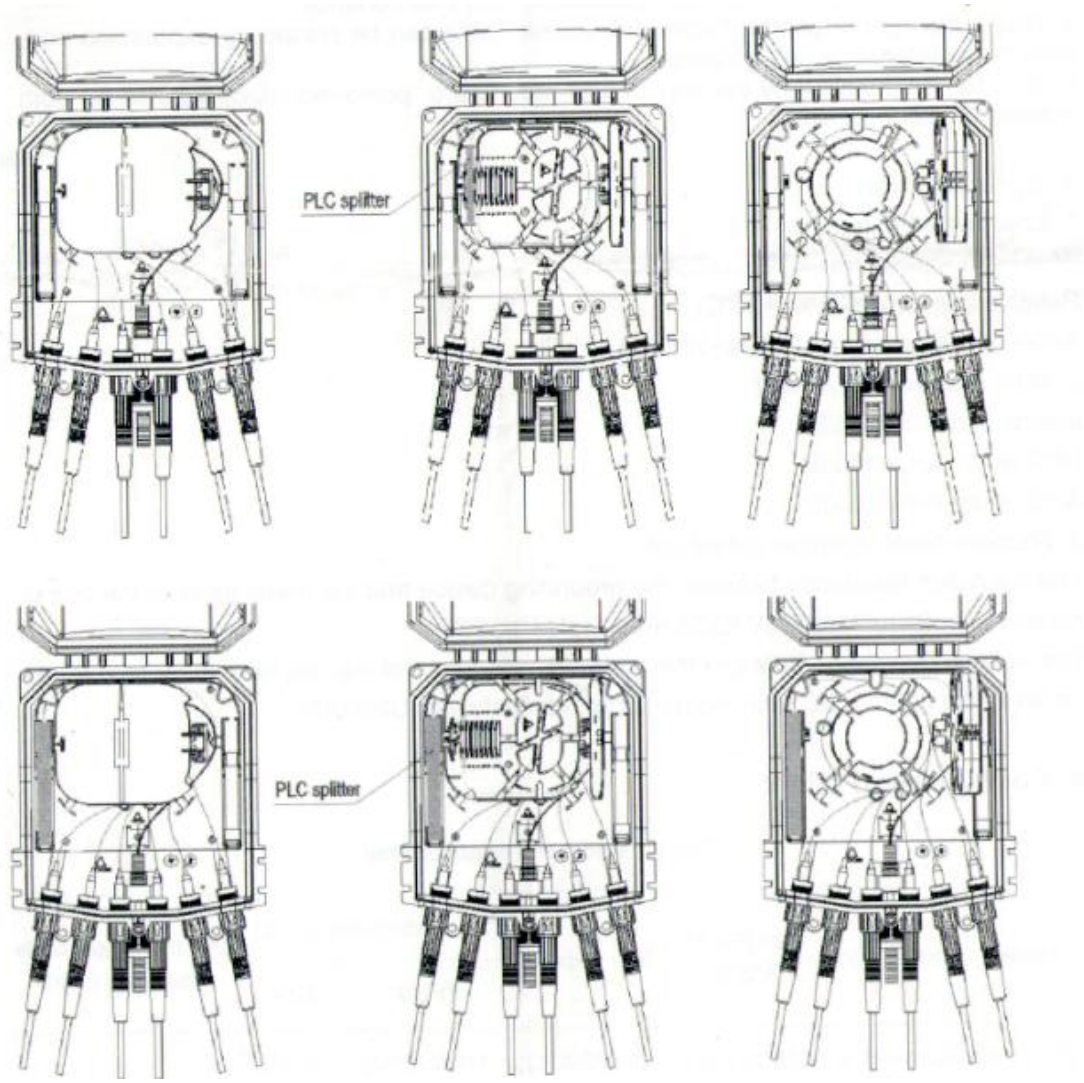



Pic 1 Box Size




Pic 2 Installation Size

5. Product cable ways:



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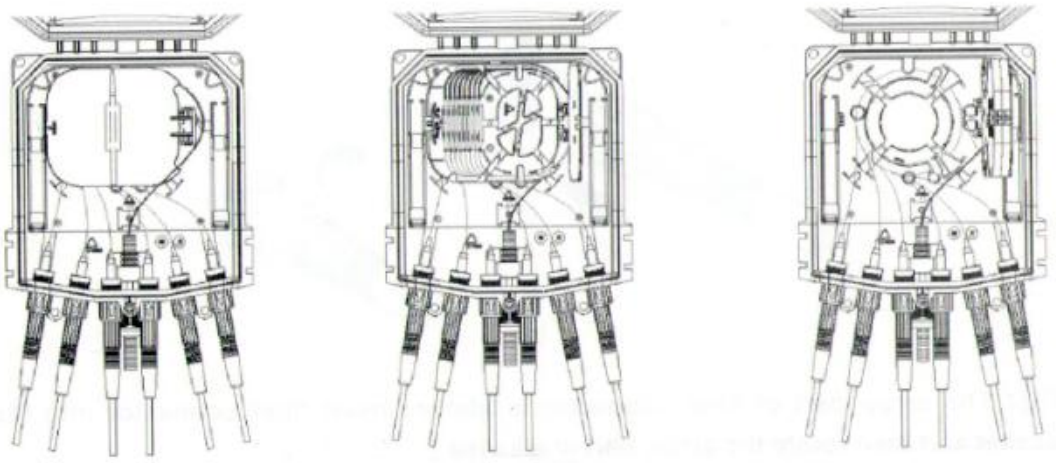


Pic 3 Cable ways

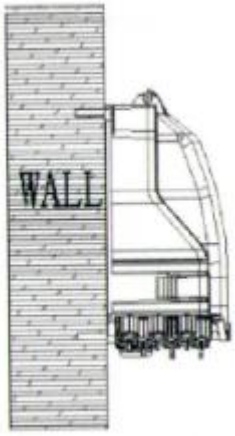
**6、Installation：**

1. Wall-mounted installation

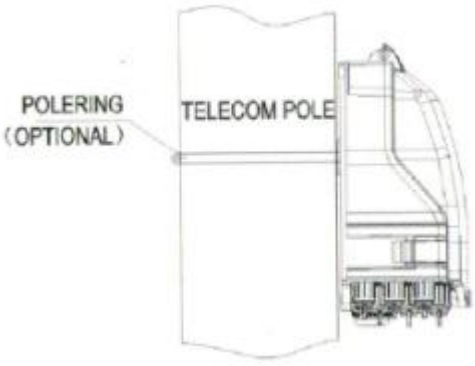
Drill 3 holes into the wall based on the size in table 1，place the expansion bolt Φ7.5*40，place the box to match up the holes and use bolt to fasten.(Pic 4)

2. Pole-mounted installation

Fix 1 set of the pole ring to the telecom pole(Pic 5)

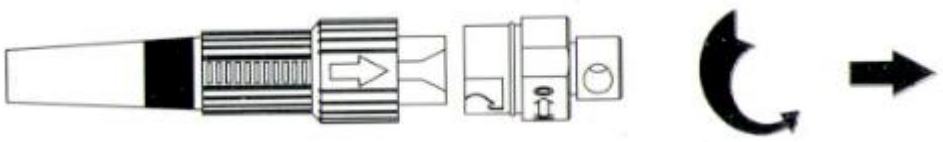



Pic 4 Wall mounted installation




Pic 5 Pole mounted installation

7、 **Fiber connector installtion:**



Pic 6 Rotate the arrow part of fiber connector counterclockwise and take out the dust cap.

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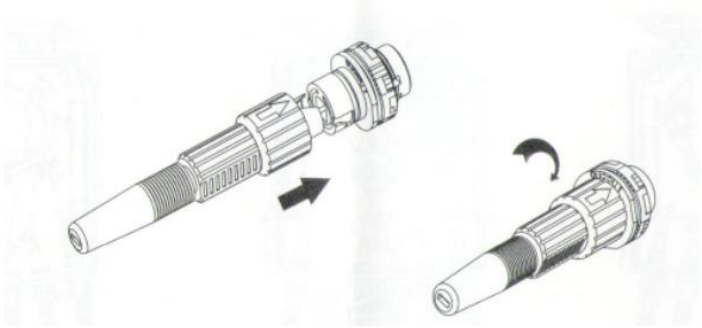

Pic7 the arrow part of fiber connector is above, insert fiber connector into the socket and then rotate the arrow part clockwise

8.Accessories:

1. Users' Manual*1
2. Key*1
3. Accessories Bag * 1
4. Pole Ring*1(Option)