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## GF-KSW-24 Series of Fiber Optic Distribution Box

### Instruction Manual

#### 1. General Introduction

GF-KSW-24 series of fiber optic distribution box is applicable to fiber connection and distribution in fiber distribution network. The material is engineering plastic, good appearance and safe lock-structure, easy installation.

The box has following features:

1. Multi-functional conversion by changing fittings, to realize fiber distribution and fiber termination. Flexible application
2. Indoor/outdoor application, it is suitable for pole-mounted and wall-mounted fixing installation.
3. Varied of functions of fiber cable fixing, splice, spare fiber storage and patch jumper cable storage.
4. Fiber bending radius in every place meet the requirement, to protect fiber effectively.
5. Rotary design for adapter panel and PLC splitter mounting frame, easy to operate and maintenance.
6. Parking application, to ensure effective use of signal resource.

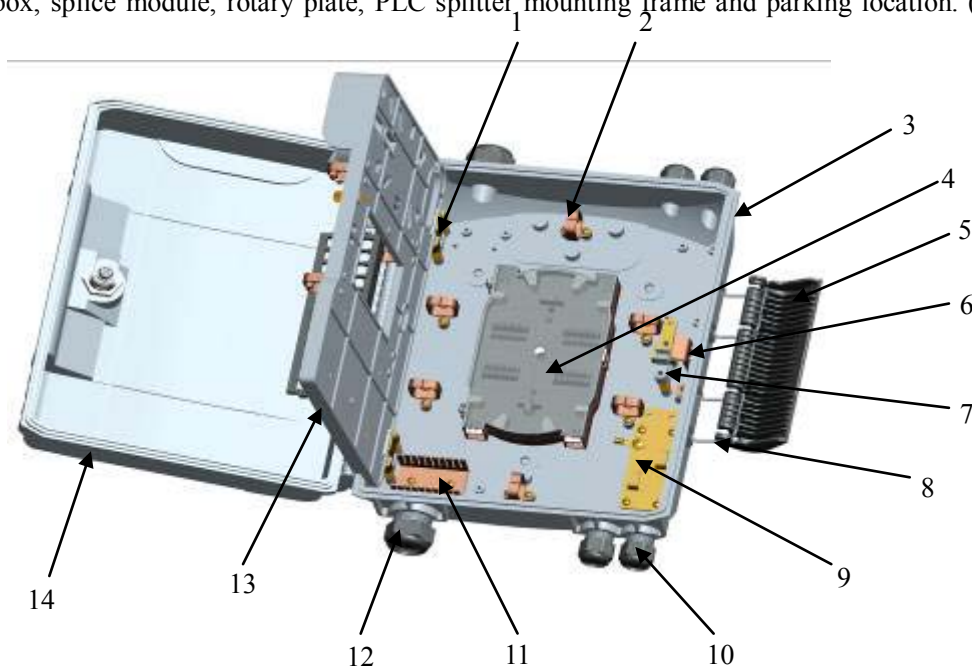


Picture 1: The appearance of GF-KSW-24 box

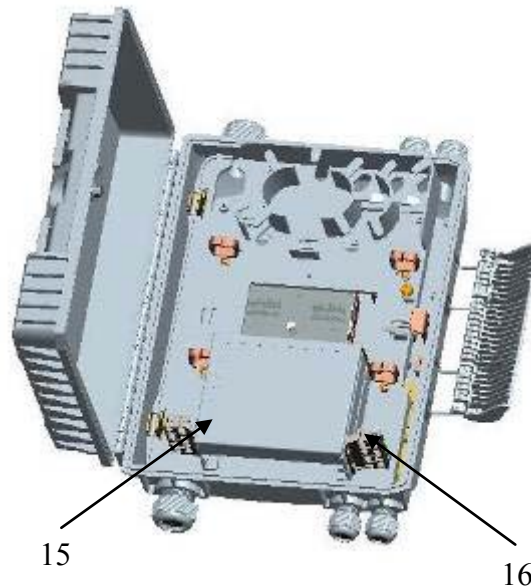
## 2. Structure

### 2.1 The box for fiber distribution (Model: GF-KSW-24B)

Composition by box, splice module, rotary plate, PLC splitter mounting frame and parking location. (See picture 2 and 3)



Picture 2: Inner layer structure (Same for A and B type)



Picture 3: Outer layer structure for GF-KSW-24B

1. Holder 2. Cable ring 3. Box 4. Splice tray 5. Pull buckle 6. Lock-tongue 7. Fixed buckle 8. Jump ring  
 9. Stripper cable fixed panel 10. Cable port 11. Soft cable holder 12. Output for soft cable 13. Turnover board  
 14. Cover 15. PLC splitter mounting frame 16. Parking with 8 positions

## 2.2 The box for fiber termination (Model: GF-KSW-24A)

Composition by box, splice module, rotary plate, adapter panel mounting frame (See picture 4)

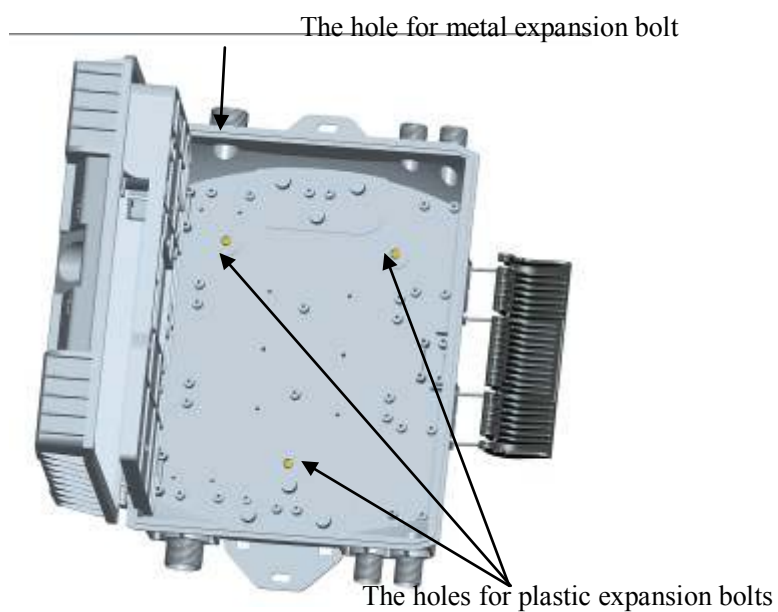


Picture 4: Outer layer structure for GF-KSW-24A

17. Adapter panel

### 3. Box fixing installation

Wall-mounted installation by using metal expansion bolt or plastic expansion bolt. Pole-mounted installation by metal hoop. See picture 5 and picture 6.



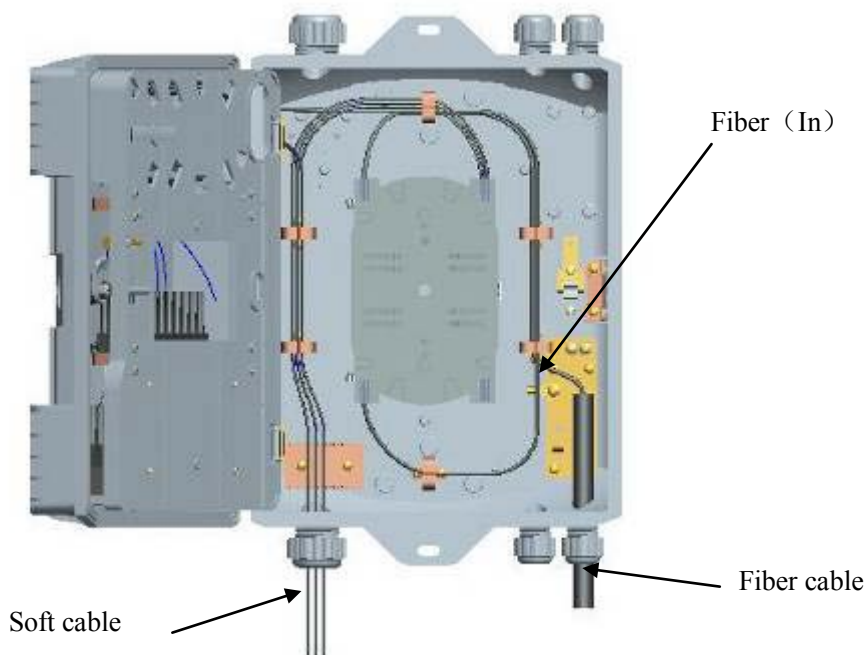
Picture 5: Wall-mounting



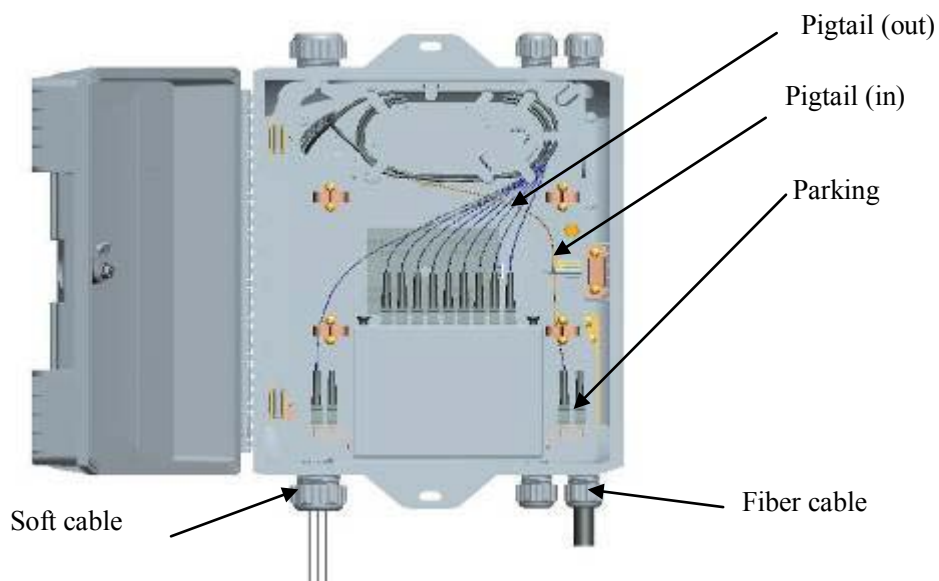
Picture 6: Pole-mounting

#### 4. The procedure for internal construction

##### 4.1 Fiber route principle of the box for fiber distribution (see picture 7 and 8)



Picture 7: Fiber route in inner layer

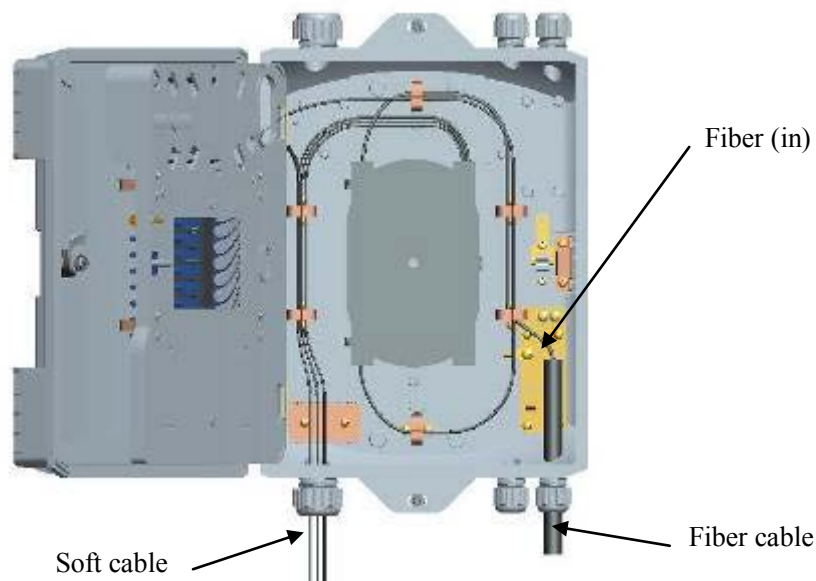


Picture 8: Fiber route in outer layer

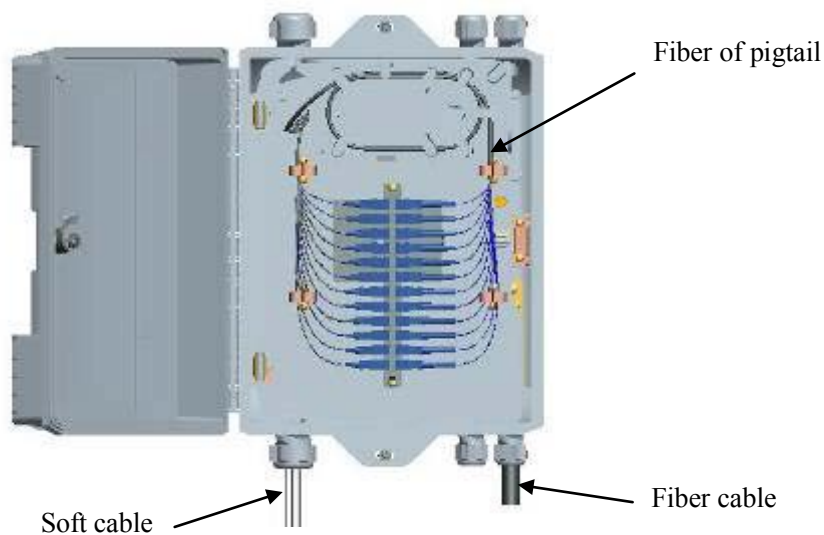
Open the turnover board to operate in inner layer. Cables entry the box by cable port, fix the stripped cable in stripper cable fixed panel, make the metal strengthen core grounding. Use EVA tube to protect stripped cable, then lead the cable into splice tray.

Splice the fiber with pigtails, the other end with connectors of pigtail go into outer layer, connect with splitter, storage the spare cables. Then soft cables go outside of box.

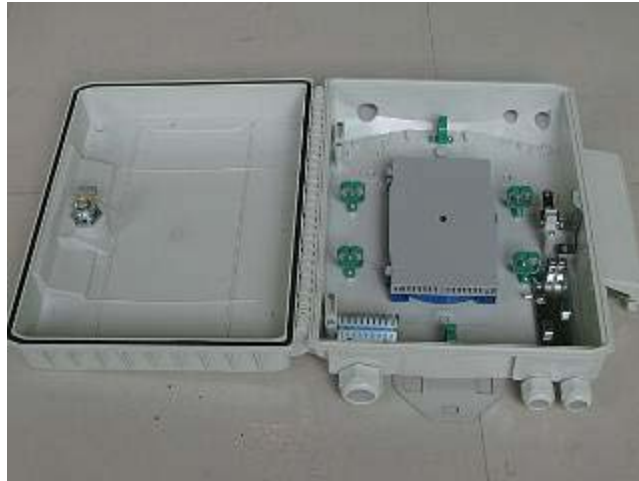
4.2 Fiber route principle of the box for fiber termination, see picture 9 and 10.



Picture 9: Fiber route in inner layer



Picture 10: Fiber route in outer layer



Picture 11: GF-KSW-24C

## 5. Dimension and Capacity Chart

| Model  | Dimension<br>(H*W*Dmm) | Full capacity | Remark          |
|--|------------------------|---------------|-----------------|
| Fiber termination type<br><b>GF-KSW-24A</b>  | 385*260*110mm          | 72 F          | 24F splice tray |
| Fiber distribution type<br><b>GF-KSW-24B</b> | 385*260*110mm          | 48 F          |                 |
|  |                        |               |                 |